

Possible Hazards of Cell Phones and Towers, Wi-Fi, Smart Meters, and Wireless Computers, Printers, Laptops, Mice, Keyboards, and Routers

Book One

Since 2013 I have been emailed several dozen reports of possible medical and other hazards from intense electromagnetic radiation from cell phones and towers, Wi-Fi, smart meters, and wireless computer accessories including wireless computers, keyboards, mice, routers, printers, and laptops. I have compiled over 200 pages of these reports in chronological order.

This file is linked at www.commutefaster.com/vesperman.html and www.padrak.com/vesperman. Several related 'EMF' files are also linked at these two websites. A second Book Two with the same title as this Book One is also linked at these two websites.

This report begins with "Disclaimers", Table of Contents, and potentially useful "Recommendations for Actions" followed by a selection of short "Items of Outstanding Interest".

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Urgent!

By July 12, 2016 please send the template letter on page 210 to the Federal Communications Commission (FCC) and your Senators and Representative. The FCC is voting July 14, 2016 on whether to move forward with 5G – an extremely dangerous technology. Wireless technology has the potential to compromise the genetic integrity of individuals *for all future generations*.

(The FCC did approve 5G at their July 14 meeting.)

Disclaimers

Inclusion of any invention or technology in this “Possible Hazards of Cell Phones and Towers, Wi-Fi, Smart Meters, and Wireless Computers, Printers, Laptops, Mice, Keyboards, and Routers – Book One” does not in any way imply its suitability for investments of any kind. Nor does inclusion of any invention or technology described or mentioned herein conclusively implies safety or hazards.

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Recommendations for Action

On January 29, 2015, France took the lead in protecting health and ensuring rights by enacting ground-breaking legislation. ...Wireless internet is prohibited in places dedicated to the welcome, rest, and activities of children under 3 years of age. Wireless access for internet in elementary schools must be disabled when not in use for teaching.

France is dismantling cell towers that are too close to occupied buildings.

There are actually TV commercials in Europe reminding people to hold their cell phones two feet away.

The city of Haifa, Israel has recently removed Wi-Fi from their schools.

France has policies to have no Wi-Fi in kindergarten.

Dr. Louis Slesin, editor of Microwave News since 1981 says, "The point is to take action." Action is already being taken outside the US: In Italy, a landmark supreme court ruling found a "causal link" between cell phone use and brain tumors. In France, Wi-Fi is being taken down in schools and replaced with cabled Internet in. Countries from Germany to Israel and Finland are moving to stop cell phone sales to kids. In the UK, children under the age of 18 have long been barred from cell phone use.

Most experts recommend a setback for cell towers of at least 1500 feet from schools and residences.

“American Academy of Environmental Medicine Recommendations regarding Electromagnetic and Radiofrequency Exposure”. American Academy of Environmental Medicine. USA 2012

*Based on double blind, placebo controlled studies, their conclusions are that people avoid exposure and for no Smart Meters to be placed on homes, especially of any person who is ill.

Sheldon has suggested: I use this case on my iPhone. I suppose the best there is other than talking through a Faraday cage. It is NEVER sold in any provider stores, i.e., T-Mobile, Verizon, Sprint, AT&T, for to do so legally acknowledges the vendors' knowledge of the radiation risks and be utilized as evidence of the vendors' pre-knowledge of these health risks in a court of law. Worst case could cost the providers \$billions in class action damages, if not bankruptcy ... unless they insure against same, wherein such insurance is NOT available from any reputable firm capable of actually paying claims. <http://www.pongcase.com/>

In 1998 I invented a major advance in torsion field communications. The theoretical maximum capacity of torsion field communications is apparently 40 billion channels of three-dimensional holographic television through the entire earth without attenuation at more than one billion times the speed of light. Torsion field communication systems, with components only the size of coins, are expected to eventually displace all forms of electronic communications including telephones, television, radio, fiber optic cable, and communications satellites, plus the entire Internet backbone, with possibly a cost reduction of much more than half. For more on the torsion field and its potentially large number of applications, see on the two aforementioned websites my exhibit “Gallery of Clean Energy Inventions”, my compilation of “Space Travel Innovations”, my design of a “Torsion Field School Network”. “Interstellar and Torsion Field Communications”, and “Y-Bias and Angularity: The Dynamics of Self-Organizing Criticality From the Zero Point to Infinity”.

All humanity is facing a catastrophic public health threat. Massive resources should be applied towards the replacement of all forms of wireless electromagnetic communications devices with torsion field communications ASAP.

Items of Outstanding Interest

All cement structures that have re-bar are subject to various electrical assaults from various sources such as high powered transmission lines and cell phone transmitters and consequently will suffer from accelerated corrosion. Simple theory is: Radio frequency radiation or magnetic fields will penetrate cement to some small degree and thus induce currents to flow and the currents cause corrosion. Thus concrete structures within range of cell towers will crumble and fail much more quickly.

Canada's Hydro British Columbia power company is replacing 10,000 failing concrete poles with wooden poles. A Quebec organic pig farmer's barn structure is being adversely affected. Calgary's Bow River railroad bridge has corroded more quickly. Lille, France, has had a disastrous water tower structural failure. An overpass in Quebec has fallen down. High-frequency electromagnetic fields also affect the surfaces of Canada's Parliament.

According to the American Academy of Environmental Medicine: **The Wi-Fi systems in schools are typically hundreds of times more powerful than home consumer systems.** They are **necessarily more powerful because they are required to run hundreds of computers simultaneously.** They are also exposing children most vulnerable to microwave radiation – to extended periods all day, for their entire childhood. This is **an unprecedented exposure with unknown outcome on the health and reproductive potential of a generation.** **Statistics show that you can expect an immediate reaction in 3% of your students and time-delayed reactions in 30% of them.** This will also include teachers. Read the letter here <https://www.aeonline.org/pdf/LettertoLAUSD.pdf>

California Medical Association, a group of 40,000 physicians in California and a member of the American Medical Association, issued a resolution (Dec 2014) stating that **FCC standards** are *“inadequate to protect human health” and “peer reviewed research has demonstrated adverse biological effects of wireless EMF including single and double stranded DNA breaks, creation of reactive oxygen species, immune dysfunction, cognitive processing effects, stress protein synthesis in the brain, altered brain development, sleep and memory disturbances, ADHD, abnormal behavior, sperm dysfunction, and brain tumors”*
<http://www.parentsfor safetechnology.org/california-medical-association-resolution-on-wireless.html>

Smart meters can cover up to 125 square miles in radius. This puts everything within that area inside of an electrical circuit; it actually bathes this 125 sq. mile radius, and everything in it, including people, with an electrical circuit. Smart meters run at 900 megahertz, this means a router is blasting whole communities with a blanket coverage of 900 megahertz of vibration going through walls and fire separations at 1.8 billion times per second. Wi-Fi is the second antenna inside Smart meters and its frequencies are 4.8 billion times a second. This affects everything, including and especially living entities such as plants, trees, fish, insects, animals, and humans. The Electric Grid is on twenty four hours a day, seven days a week, so structures, plants, trees, insects, animals, birds, fish and people are being hit with these frequencies twenty four hours a day seven days a week. The higher the power density, the more frequencies are being bombarded into structures, plants, trees, insects, animals, birds, fish and people.

Although there are hundreds of scientific studies showing that RF radiation causes biological harm and even cancer, the industry claims that there is no scientific evidence of harm. The insurance industry has refused to provide product liability insurance on cell phones, Wi-Fi, and other RF emitting devices, primarily due to fear that this litigation may turn out like tobacco or asbestos litigation did with huge punitive awards. What does that tell you?

Wireless smart meters typically produce atypical, relatively potent and very short pulsed RF/microwaves whose biological effects have never been fully tested. They emit these millisecond-long RF bursts on average 9,600 times a day with a maximum of 190,000 daily transmissions and a peak level emission two and a half times higher than the stated safety signal, as the California utility Pacific Gas & Electric recognized before that state's Public Utilities Commission. Thus people in proximity to a smart meter are at risk of significantly greater aggregate of RF/microwave exposure than with a cell phone, not to mention the cumulative exposure received by people living near multiple meters mounted together, pole-mounted routers or utility collector meters using a third antenna to relay RF signals from 500 to 5,000 homes.

Cell phone use is much more dangerous for children because their skulls are a lot thinner. Brain tumors associated with cell phone use has replaced leukemia as the number one child-killer.

Stop Smart Meters!, the EMF Safety Network, and other groups opposing 'smart' meters continue to receive reports from hundreds of people experiencing health impacts after the wireless meters are installed, including sleep problems, headaches, tinnitus and nausea. The California Public Utilities Commission has received over 2000 complaints of health impacts. The CCST report failed to interview anyone reporting health symptoms, and neglected to cite peer-reviewed findings of non-thermal biological damage from low level RF emissions."

http://emfsafetynetwork.org/?page_id=3299

Germany rejects smart meters because of economics.

<http://www.examiner.com/article/germany-rejects-smart-meters-based-on-economics>

Truthseeker host, Daniel Bushell uses a radiation detector to measure the amount of radiation emanating from commonly-used household items:

*Microwave oven: 800 microvolts

*WiFi Router: 800 microvolts

*Tablet PC: 2,000 microvolts (watching a movie).

*Smartphone: 40,000 microvolts (Samsung S3).

This is over a thousand times the normal background radiation levels of 30 microvolts.

The use of cellphones and other wireless technologies is being called the next 'casualty catastrophe,' after tobacco and asbestos. iPhones now all contain a legal disclaimer page with fine print, which cannot be enlarged and which is relatively difficult to locate within the phone's navigation. It discloses the dangers of radiation exposure from cellphones and advises users to keep the device at least 10 mm from the body.

Steve Jobs who died of pancreatic cancer didn't let his kids play with iPads

A child's skull, which is thinner and smaller, absorbs ten times more radiation than that of an adult.

Smartphones and iPads change how the human brain works – and are destroying our memories

Professor Geoff Kaufman, of Carnegie Mellon University in Pennsylvania, said: "There has been a great deal of research on how digital platforms might be affecting attention, distractibility and mindfulness and these studies build on this work by focusing on a relatively understudied construct.

"Given psychologists have shown construal levels can vastly impact outcomes such as self-esteem and goal pursuit it's crucial to recognize the role digitization of information might be having on this important aspect of cognition."

<http://www.msn.com/en-gb/news/indepth/smartphones-and-ipads-change-how-the-human-brain-works-and-are-destroying-our-memories/ar-BBsOjtm?li=BBBoPOOl&ocid=mailsignoutmd>

Autism cases in the US were 1 in 5000 in 1975, and 1 in 110 in 2009. CDC's most recent figure on autism is 1 in 68, reported in 2014, so this is 73.5 times higher than in 1975, or **over 7200% increase in autism over the last 40 years.**

Pregnant women and children should not be exposed to wireless radiation

English translation from 2014

<https://takebackyourpower.net/experts-and-doctors-warn-pregnant-women-and-children-wireless/>

Stories From Parents About Their Children (being harmed by wireless radiation)

<http://www.parentsforsafetechnology.org/our-stories-and-our-children.html>

Increasing exposure to smartphones can have a negative impact on ocular health in adolescents.

<http://www.ncbi.nlm.nih.gov/pubmed/27254040?dopt=Abstract>

Dermatologists now believe that regularly exposing the face to the light and electromagnetic radiation from smartphones can speed up ageing and wrinkles.

Doctors even claim they can tell which hand a person holds their phone in just by looking at which side of the face is most damaged.

http://www.nzherald.co.nz/lifestyle/news/article.cfm?c_id=6&objectid=11659146

Compact fluorescent bulbs have a noisy high voltage, high frequency circuit inside to trigger and maintain their glow. As the operating frequency of these bulbs is below the AM radio band, there are no restrictions on the electromagnetic radiation that they generate; manufacturers strive to make the lowest cost bulbs using unshielded circuits that generate very high field levels. An example of a compact fluorescent bulb is shown below. The field strength within one inch of the bulb is an incredible 100 mW/cm².

Even SwissCom, one of Europe's biggest telecom providers, admits in their own patent application that Wi-Fi (as currently designed) is not safe:

<http://stopsmartmeters.org.uk/major-phone-firm-patent-admits-non-thermal-exposures-to-wireless-radiation-is-genotoxic-causes-clear-damage-to-hereditary-material/>

Since 1999 Lloyd's of London, the largest reinsurer in the world, stopped covering cell phone

manufacturers for health claims related to cell phone use. Lloyd's, which is known for taking on risky policies, stopped reinsuring for liability for electromagnetic wireless emissions starting February 2015.

Lloyd's of London, one of the largest insurers in the world, implemented the Electromagnetic Fields Exclusion.

The purpose of the exclusion is to exclude coverage for illnesses caused by continuous long-term non-ionising radiation exposure, which comes from cell phones, cell towers, all wireless devices (ipads, Wi-Fi laptops, Wi-Fi routers). This is very significant. It means manufacturers of wireless devices, cell phone companies, and any businesses that use wireless devices where people are exposed are liable now for any health claims resulting from harm from their wireless devices.

Scroll to p. 7 of the A&E policy, item 32 Electromagnetic Fields, to see the wording:

<http://www.citizensforsafetechnology.org/Lloyds-of-London-excludes-coverage-for-RFEMR-claims,15,4168>

Lloyd's and other large re-insurance companies such as Swiss Re have relied on their own studies and their own scientists (rather than those funded by cell phone companies, which is the source of most US studies) and have determined that they will not insure the big cell phone and telecommunications companies for the long-term health effects of wireless products. *They are even modeling what a brain cancer epidemic between 2020 and 2030 will cost!*

<http://beforeitsnews.com/eu/2015/04/lloyds-of-london-withdraw-insurance-for-illhealth-from-use-of-mobiles-phones-wifi-and-emfemr-2581024.html>

<http://www.ambest.com/directories/bestconnect/EmergingRisks.pdf>

It is the **high duty** of PTA officials, school boards, administrators and others in related organizations and agencies to be completely informed so as to do no harm to children that are under their jurisdiction. **No telecommunication corporation or representatives thereof have ever made the claim that wi-fi and other wireless devices used in schools are safe.** Do you feel comfortable with that? **Wireless devices were never pre-market safety tested.**

There have been numerous examples of environmental toxins that were considered safe until policy caught up with science. Tobacco, asbestos, plastics, pesticides (they used to spray DDT on school children to prove its safety), thalidomide, artificial sweeteners and fructose to name just a few. Now we have children exposed to microwave radiation for 7 hours each day for 14+ years. There are at least a **dozen studies** that confirm 4 hours on a laptop can cause damage to men's sperm as well as damage to DNA.

Asbestos, endocrine disrupters, nanotechnology and fuel additives are considered to be more “insurable” than cell phones and EMF related products and infrastructure.

Martin Pall, Ph.D., biochemist at Washington State University, argues that because EMF heating is produced mainly by forces on singly charged groups in the aqueous phases of the cell, the safety guidelines/standards that allow people to be exposed to EMFs are 7.2 million times too high because they are using the wrong target.

Recipients get a big increase in nitrite oxide with calcium in the cell, leading to free radical generation and oxidative stress. They also get an increase in super oxide. These two react with each other, allowing disease causing changes to occur. Calcium signaling is very important in the cell and problems result when there is too much of it.

Microwave frequency EMFs attack four things that people value most, says Pall – our health, brain function, integrity of our genomes and our ability to produce healthy offspring.

Health advocates believe an “autism epidemic” is probably largely caused by EMF exposures although chemicals also have a role.

At the AutismOne meeting in Chicago last year, Pall discussed 32 different types of evidence that support a pathway of action from microwave EMF exposure through disruption of synapse development in the developing brain of autism patients.

Doctors are also seeing neuropsychiatric effects of EMF exposures and an unexplained increase in premature Alzheimer’s disease. Higher VGCC activity, produced by genetic polymorphism, is associated with Alzheimer’s.

The FCC is obligated by the directive in H.R. Report No. 104-204, p. 94 to inform Congress it is impossible to both promote wireless and protect the public health and safety since it is now clear that wireless technology has the potential to compromise the genetic integrity of individuals *for all future generations*.

We are all electrosensitive and now about 5% of the population is so hypersensitive they are disabled; 10% or more in Europe now complain of such symptoms which are more or less disabling.

The effects of cell phones on brain cancers may be one of the least of our problems since, despite the recent increase in their incidence, they are still relatively rare and most cell phone addicts are still prepared to take the risk.

Perhaps what might be more frightening is that the unrestricted use of cell phones is what is making too many of us either fat or clinically obese due to the effects of the radiation on the thyroid gland. The thyroid gland is in the neck just inches from where you hold your cell phone and the radiation damages its membranes, possibly as a result of the production of reactive oxygen species (ROS). This results in hypothyroidism, which causes obesity and all that stems from it, a constant craving for more food, and chronic fatigue as more bodily resources are diverted from physical activity and stored as fat.

From experiments done on rodents, it looks as though these effects are irreversible once they have taken hold and you are stuck with being on a life-long diet. Even living near a cell tower can have a similar effect although it may take longer. If this doesn't discourage people from using cell phones, I don't know what will. While brain tumors are relatively rare and remain hidden for many years, chronic obesity of epidemic proportions is with us right now and is staring us in the face. This may be what we should be concentrating on if we want people to cut down or stop their use of cell phones.

Many printers (not just HP) default to wireless “on” and don’t have the sense (?...) to switch off when you don’t connect to them wirelessly.

From: **Camelot** <info@camelot-connection.com>
Date: Sat, Mar 2, 2013 at 7:27 PM
Subject: SMART METER DANGERS - peer reviewed? - YES!
To: Andrew Michrowski <paceincnet@gmail.com>

SMART METER DANGERS - peer reviewed? - YES!

Hi Andrew, see point #14 for our mention of your excellent work!! Vasana & Nabhraj
January 23, 2013

TO WHOM IT MAY CONCERN – PLEASE PASS ON!

Since there is so much information available from groups of international scientists around the world on the subject, it has taken 2 weeks to read and compile a tiny portion of the research available with a random search that anyone could do. The following letter was sent to a local radio host who persisted in saying “There is no peer reviewed research on the dangers of Smart Meters”. The list of research can be skimmed through, but the important paragraphs are anything from the beginning to “Peer Reviewed Research” as this lays out the basics. Then please be sure to read the last couple of paragraphs including the paragraph about Erin Brockovich. All of the following facts are easily confirmed by anyone who wishes.

To begin with, listed below are 15 studies we have selected. These do not even include the 1800 new studies recently reviewed by the BioInitiative Working Group 2012. There are 29 international scientists who contributed to this analysis. If one simply searches peer reviewed studies and/or scholarly articles for each of these scientists during their careers, the evidence of biological harm from wireless technology including Smart Meters only increases. The careers of scientists are based on published, peer reviewed, and double blind studies – choosing one scientist at random, we selected Dr. Martin Blank, Dept. of Physiology, College of Physicians and Surgeons in New York who has 29 published research papers on this subject alone. (Enclosed document “A”).

I would ask that you:

- read and review all documents enclosed, plus read and review each of the many peer-reviewed and double blind studies available within each of these documents. These pages of references indicate where to look for other research which has been completed, approved and published in other scientific journals – all of which are available to anyone. Some of the enclosed articles have up to 3 pages of scientific references with the names of the scientific journals in which they have been published. In total, there are approximately 250 peer reviewed articles enclosed and/or cited here.
- understand that Canada and the USA have the highest allowable limits of electromagnetic radiation in the world (up to 1,000x higher than almost every other country) and we use antiquated standards developed more than 3 decades ago, before the advent of this new and untested technology. Yet Code 6 remains unchanged.

- the famous Safety Code 6, first published in 1979, measures only "thermally," and states that, "if your skin does not boil within 6 minutes there is no harm". These guidelines are antiquated, and by today's standards they are irrelevant.
- know that many of the people who are opposing this Smart Meter technology and other wireless technologies are university graduates with at least one degree.
- please note that the scientific articles mentioned in the documents are peer reviewed, as all scientific journals require. This is standard process. We attach the definition of "peer review" from California Polytechnic State University (Robert E. Kennedy Library) in San Luis Obispo. You will see that the documents we are sending will adhere to these high standards of scientific review. You will see that the documents we submit for your investigation follow these strict and well-defined guidelines, as documented at the bottom of page 1 of the enclosed definition of "Peer Review". (Enclosed document "B").
- understand that those who say there is no peer reviewed information are not searching in the correct places to discover such documents. We respectfully point out that searching for documents in places such as PubMed, Pathophysiology, Scientific American and many, many other well-respected international scientific journals will bring forth thousands of documents. These documents are the result of work and research done over decades by scientists who have devoted their entire careers to investigating damage to biological systems derived from electromagnetic sources. Pathophysiology is a virtual goldmine of information for those who look.
- please note that other supporting documents plus scholarly articles and research – not necessarily peer reviewed – are included with this document, as they complete, amplify and support much of the background information involved around this complex subject. All this will help simplify and aid you in your perusal of all the documentation.
- understand that radiation from the sun is completely different than the microwave radiation from Smart Meters. It is like comparing apples and plastic. They are NOT comparable, and any person stating such a fact is obviously lacking in knowledge valuable in getting to the truth.
- understand that the 'radio waves' that someone on your show mentioned are exactly the same thing as comparing apples to plastic. Microwaves have nothing to do with radios, and the fact that "grandma always listened to the radio and never got ill" is misleading to the uninformed. In this context, "radio waves" mean microwaves.
- understand that the issue here is wireless technology. Wireless means, although invisible, it travels through the air penetrating human tissues, all living organisms including animals, as well being strong enough to penetrate buildings.

List of Peer Reviewed Studies

1. "2.45 GHz radiofrequency fields alter gene expression in cultured human cells". Lee S et al. Dept. of Medicine, University of Chicago, USA, FEBS Lett. 2005 Aug 29, 579 (21), 4829-36

*Results affirm that RF fields at 2.45 GHz can alter gene expression in cultured human cells through non-thermal mechanisms.

"NB: #1 and #8 – please note Smart Meter microwave transmitters work at 2.4 GHz, which is the same as in this study. Also, note that the alterations in the genes were non-thermal. Safety Code 6 only gives guidelines regarding thermal heating, while all the other factors of biological harm have not yet been factored into Canadian guidelines. This fact renders Safety Code 6 entirely obsolete, given today's technology. In 2013 Safety Code 6 will finally be reviewed – but will it be done in accordance with international standards? That remains to be seen.

2. “Electromagnetic hypersensitivity: evidence for a novel neurological syndrome”. McCarty DE et al. Dept. of Neurology, LSU Health Sciences Center, Shreveport, USA, *Int. J. Neurosci.* 2011, Dec. 121 (12), 670-6
 *In a double blind study, female physician exposed to 60 Hz electric field develops temporal pain, headache, muscle twitching and skipped heartbeats etc. after exposure. Conclusion: EMF hypersensitivity is a bona fide inducible neurological syndrome.

3. “Bilateral vision loss associated with radiofrequency exposure”. Liu D et al. Wilmer Eye Institute, The John Hopkins School of Medicine, Baltimore USA, *Clin. Ophthalmol.*, 2012, 6, 2069-73.
 *After direct application of radiofrequency energy to her orbits, a healthy 57 year old woman presents with painless binocular vision loss 1 week later. Situation - irreversible.

4. “Exposure to 1800 MHz radio frequency radiation induces oxidative damage to mitochondrial DNA in primary cultured neurons”. Xu S. et al. Dept of Occupational Health, Third Military Medical University, People’s Republic of China, *Brain Res.* 2010, Jan 22, 1311, 189-96.
 *Study found that RF radiation induced a significant increase in the levels of a common biomarker of DNA oxidative damage in the mitochondria of neurons.

5. “Limits of Human Exposure to Radiofrequency Electromagnetic Energy in the Frequency Range from 3 kHz to 300 GHz”. Consumer and Clinical Radiation Protection Bureau. Environmental and Radiation Health Sciences Directorate. Canada, 2009.
 *Preface - paragraph 4 states: “In a field where technology is advancing rapidly and where unexpected and unique problems may occur, this code cannot cover all possible situations. Consequently, the specifications in this code may require interpretation under special circumstances”. Also these guidelines were developed to be applicable for industry and paragraph 2 states: “The safety limit in this code applies to all individuals working at or visiting federally regulated sites”. The issue here is public health and the sanctity of our homes, places of work, recreation and worship.

6. “Increased blood-brain barrier permeability in mammalian brain 7 days after exposure to the radiation from a GSM-900 mobile phone”. Nittby H. et al. Dept. of Neurosurgery, Lund University, The Rausing Laboratory and Lund University Hospital, Sweden, *Pathophysiology*, 2009, Aug, 16 (2-3), 103-12.
 *Increased blood-brain barrier permeability immediately and at 14 days after exposure confirmed.

7. “Electromagnetic Field Sensitivity”. William J. Rea, MD FACS, Environmental Health Center Dallas (USA); Yaqin Pan, MD Dept. of Allergy, Beijing Union Medical College Hospital (China); Ervin J. Yenyves, PhD, Dept. of Physics, University of Texas (USA); Ichiko Sujisawa MD and Hideo Suyama MD, Dept. of Ophthalmology, University of Kitasato (Japan); Nasrola Samadi, PhD, Jacksonville State University (USA); Gerald H. Ross MD CCFP Environmental Health Center Dallas, USA, *Journal of Bioelectricity*. 1991, 10 (1&2), 241-256.
 *Multi-country and multi-phase study first published in 1991. This study affirms that in 100% of the challenges given to patients were confirmed while all of the placebo tests were negative in the final phase (Phase 4).

8. "Provocation Study using heart rate variability shows microwave radiation from DECT phone affects autonomic nervous system". Non-thermal Effects and Mechanisms of Interaction between Electromagnetic Fields and Living Matter. National Institute for the Study and Control of Cancer and Environmental Diseases. International Commission for Electromagnetic Safety. Prof. Magda Havas et al. Italy, *European Journal of Oncology*, 2010, Library Vol. 5, 273-298.

*Multi-country study showing mild, moderate and extreme tachycardia as well as proving the effects on the Autonomic Nervous System. Also concluded, was that this radiation may put some individuals with pre-existing heart conditions at risk when exposed to electromagnetic radiation to which they are sensitive. Also provides scientific proof that some individuals may experience arrhythmia, heart palpitation, rapid heartbeat, dizziness, nausea, profuse sweating and syncope when exposed to electromagnetic devices. DECT 2.4 GHz phones were used in this study. (2.4 GHz is the same range as Smart Meters).

9. "Exposure and Testing Requirements for Mobile Phones Should be Re-assessed". United States Government Accountability Office (GAO). USA 2012

*Report on how the USA has not updated its recommendations since 1996 - while other international organizations have done so based on new research. This new limit has been widely adopted by other countries, including the European Union. GAO recommends that the FCC formally reassess and change its current RF exposure standards. FCC is even unable to confirm whether or not cell phones actually come in under the allowable limits as they do not test, but solely rely on information provided by manufacturers/sellers of said equipment.

10. "Electromagnetic and Radiofrequency Fields Effect on Human Health". American Academy of Environmental Medicine. USA 2012

*This well respected international organization of physicians and other professionals, dedicated to addressing the clinical aspects of environmental health, calls for an immediate caution of Smart meter installation due to potentially harmful RF exposure. Furthermore, they wholly support that this exposure be recognized as a health condition. The report also emphasizes the fact that RF exposure causes neurological damage and state that it has been amply documented.

11. "American Academy of Environmental Medicine Recommendations regarding Electromagnetic and Radiofrequency Exposure". American Academy of Environmental Medicine. USA 2012

*Based on double blind, placebo controlled studies, their conclusions are that people avoid exposure and for no Smart Meters to be placed on homes, especially of any person who is ill.

12. "Evaluation of various psychological parameters in a group of workers occupationally exposed to radiofrequency". Antoniazzi D., Dip. di Medicina Preventiva, Occupazionale e di Comunita", Universita' di Pavia. Italy, *G. Ital. Med Lav*, 1988, Jul-Sep, 10 (4-5), 193-200.

*Study on the effects of the psyche of women exposed to radiofrequency is examined. Results indicate problems with social relations, anxiety and depression.

13. "Guidelines of the Austrian Medical Association for the diagnosis and treatment of EMF-related health problems and illnesses (EMF syndrome)". Consensus paper of the Austrian Medical Association EMF Working Group. Environmental Medicine Officers of the Regional Medical Association and the Austrian Medical Association. Austria 2012

*This working paper has been developed as a guide for physicians after having carefully analyzed international research about the dangers of EMF's. These guidelines are to help physicians be able to diagnose and treat EMF related problems.

14. "Biological Effects of Wireless Technologies below Canada's Regulatory Limit". Andrew Michrowski, PhD. Electromagnetic fields: High-level microwave technology concerns. Canada 2007.

*On page 8, this table lays out International Radiofrequency/Microwave EXPOSURE STANDARDS. Canada is seen to have among the highest radiation exposure limits of all countries. The table begins with altered gene structure in the smallest of organisms at a microscopic 0.0000000000001 and a low 10 being the number at which damaged mitochondria, nucleus of cells in hippocampus of the brain is visible. Canada's limit is set at 1,000. Upon close inspection of this table it is evident that biological damage is done at minute levels of this type of radiation, never mind 1,000 times greater.

15. "Microwave Syndrome: A Preliminary Study in Spain". E.A. Navarro et al. Dept of Applied Physics, University of Valencia, Dept of Applied Physics, Centro de Investigacion, Hospital Universitario "LA FE", Valencia. Spain, Electromagnetic Biology and Medicine, 2003, Vol 22, No. 2 & 3, pp. 161-169

*Study measuring microwave power density at respondents' homes. Statistical analysis showed significant correlation between the declared severity of the symptoms and the measured power density. An increase of the declared severity in the group with the higher exposure was shown.

This concerned group comes from all walks of life - dentists, lawyers, MD's, housewives, parents, athletes, geologists, therapists, retirees, secretaries etc. These people have taken the time to understand this dangerous technology involving a microwave transmitter on the side of their bedrooms and homes and blanketing their neighborhoods and schools.

Two years ago, we came upon some information which we decided to look at. In our research we came across the name PG&E, the company selling Smart Meters in California. Later that day, the credits for the movie "Erin Brockovich" were playing on TV. We happened to see the name PG&E and said, "Isn't that the name of the company that we have seen mentioned in the documents we were reviewing?" Going back to our computer and looking up the information, we find that yes, PG&E is the company that for the past 15 years has been embroiled in legal battles after being sued by Erin Brockovich and the citizens of Hinkley. They are now also involved in Smart Meters, and are once again under siege from the citizens in their jurisdiction because of these meters. We need to be able to rely on our governments, our school boards and other entities to protect us and our children from the damage of all wireless technologies.

Thank you very much for your time.

Sincerely,

Prof. Nabhraj Spogliarich, EleCT MBRCF
Professor of General and Inorganic Chemistry (Retired)
Vasana Spogliarich, EleCT MBRCF CBT

research@camelot-connection.com

(Encl. 17)

From: **John** <@gmail.com>
Date: Fri, Mar 15, 2013 at 6:39 PM
Subject: microwave_interference
To: @southtownstar.com

Microwave Interference

Ladies & Gentlemen,

The following article about 'signal interference' in a Chicago suburb is the same problem which surfaced when the new police station mast using the Tetra signal was deployed in Leixlip, Co. Kildare, Ireland where I live. Police officers could not get into their cars because the Tetra signal overrode the keyless locking devices of their cars.

At present in British Columbia, a product defense consultant, Dr. William H. Bailey, is arguing in favor of Smart Meters. He was called in to defend Toyota cars which unexplainedly accelerated killing many. Smart Meters also use microwave technology. Now Bailey is defending Smart Meters.

My point is: If these signals can affect the physical world, what are they doing to us?

Kind regards,

John

Keyless entry/ignition problem in Tinley 'seems to be fixed'

BY STEVE March 15, 2013 2:40PM

Tinley officials are trying to determine what is causing some sort of electronic dead zone where car FOBs stop working as seen near Kohl's in Brookside Marketplace Monday, March 11, 2013, in Tinley Park. | Matthew Grotto~Sun-Times Media

Updated: March 15, 2013 2:42PM

The Bermuda Triangle-like mystery at a Tinley Park shopping center — where cars' keyless entry and ignition systems had been failing recently — has been solved, a village official said.

Blame the problem on frequency interference caused by malfunctioning automatic door sensors and possibly the sensors that detect when merchandise is being stolen from a store, said Pat Carr, Tinley Park's director of emergency management and 911 communications.

Sent: Wednesday, April 10, 2013 1:03 PM

Subject: Fwd: transients into wires causing bill increases - SMART meters

Transients into wires causing bill increases - SMART meters

Any comments?

As an anecdote: Spikes were a very big deal in power and energy magnification by Dr. **Nikola Tesla** in his many Tesla technology applications circa 1920+ including in what became precursors to lasers – and even in "electrical resonance", a method that has permitted advanced hearing aide (and bugging device technology) designs by Tesla lab-note reviewer, one of our society's 1975 founders, Dr. **Andrija Puharich** while he was MD with the **Joint Chiefs of Staff** at the **Pentagon**, before these were passed on to next-of-kin in former Yugoslavia, and ultimately the **Tesla Museum** in Belgrade.

From: Brian < @gmail.com>

Date: Wed, Apr 10, 2013 at 3:43 PM

Subject: transients into wires causing bill increases

To: Andrew Michrowski <paceincnet@gmail.com>, Farren < @healthyhomesenvironmental.com>, CURTIS <@shaw.ca>, curtis <curtis@ .com>, Curtis <info@thermoguy.com>

Do you have any data that could show/prove that this indeed possible/probable/happening?

We are of the belief that part of the reason for the bill spikes is the meters are picking up transients.

The implications of this are huge. This means 1 of 2 things will have to go, as this, in the end, amounts to theft.

Those 2 things are ALL Pulses from any source near a house OR the meters themselves.

Either way they would be stuck.

But we need things that are concrete

The end of one would be the end of the other

We can make this work.

This, above all else is a great way to go. Because you are dealing with math, science, metals, measurements etc.

Thus, you reduce or completely eliminate the ability for them to argue it.

Therefore, we would really like to know if there is data that this can be shown.

That transient pulses can get into wiring and indeed cause increases in bills.

Then we would be able to force Hydro to prove that the meters are not picking this up

Thanks for any info!

Brian
Interior Smart Meter Awareness
Kamloops BC
<http://www.bc-freedom.com/>

From: **Andrew Michrowski** <paceincnet@gmail.com>
Date: Thu, Apr 25, 2013 at 2:17 PM
Subject: Fwd: pulsed microwaves - Potenza Picena resolutions
To:

Pulsed microwaves from WI-FI, smart meters, radar, cell phone towers, etc damage cells

Please retain this milestone resolution for the records and for forwarding ...

The pulsed, millisecond microwave emission aspect applies to smart meters, all M2M technology of the "interconnected fabric" between Wi-Fi, cellphone communications that will escalate phenomenally over the next 3-5 years (especially with the expected & encouraged communication & data traffic - tax-filing, bank transactions, movie and music downloading, iClouds, tablets, etc.)

Note how our cells, enzymes, etc. are/will be maneuvered by external impulses many times per second while exposed to even "second-hand emissions even if we do not use the technology, and even if we do diligently prudent avoidance".

Dr. Andrew Michrowski

From: **Olle Johansson** < @ .se>
Date: Wed, Apr 24, 2013 at 6:42 AM
Subject: Potenza Picena resolutions
To: Olle Johansson < @ .se>

Dear All,

Potenza Picena Resolution Re Radar, Radiofrequency And Health Risk

During this last weekend's (Saturday, April 20) conference in Potenza Picena, Italy, about "Radar, Radiofrequency and Health Risk", the enclosed very important resolutions were signed.

Best regards
Yours
Olle

(Olle Johansson
The Experimental Dermatology Unit
Department of Neuroscience
Karolinska Institute
171 77 Stockholm
Sweden)

POTENZA PICENA RESOLUTION April 20th, 2013

On April 20th, 2013 the International congress of Potenza Picena entitled "Radar, radiofrequency and health risk", reached the following conclusions:

radars use pulsed radiofrequency that causes characteristic biological effects which are more invasive than non pulsed EMF;

- radiofrequency can cause structural changes in enzymes with time reactions of nanoseconds, while the pulsed radiofrequencies emitted by radars occur every milliseconds, thus suggesting that for every pulsing event several enzymatic changes occur;
- the pulsed signals can induce significant modifications on DNA regulations as an effect of the methylation of the genome;
- scientific literature concludes that biological/health effects can occur at low intensity exposure and chronic exposure can make a living organism more susceptible to the effect of the EMFs;
- ICEMS monograph (*Eur. J. Oncol.*, 2010) concludes that there are non-thermal mechanisms of action of EMF (including RF) on the living matter;
- experiments on cell cultured in residential areas in Potenza Picena showed that the radar signal activates apoptosis for short exposures and cell survival signal after 24 hours of exposure;
- preliminary results of animal experiments show that radiofrequency is a co-carcinogenic agent;
- radiofrequency induces oxidative stress processes in tissues and living organisms;
- different epidemiological studies show that there is a significant increase of health risks on the people exposed to pulsed radiofrequency and more studies need to be done to conclude especially about pulsed radiofrequency;
- scientific literature suggests that for EMF the precautionary principle should be internationally adopted;

Thus, stricter safety standards for EMF needs to be adopted by governments and public health agencies because the existing ones are obsolete and they are not based on recent literature about biological effects.

According to the precautionary principle RF sources should be reduced as low as possible because at now it is not possible to establish a safe limit under which no biological effects can be observed.

RF sources should be kept far from residential areas. For pulsed RF sources, such radars and Wi-Max antennas, the distance from the EMF source should be even greater because they cause more biologically effects than non pulsed signals.

Wi-Fi should not be placed in schools and in public areas since they have characteristics of pulsed signals.

The precautionary principle suggests to use special caution for the younger people and for susceptible such as those with Electromagnetic Hyper Sensitivity a condition growing in modern societies that makes people sick for exposure to EMF even at low level of intensity.

Massimo Scalia
 Eleonora Miranda
 Mario Barteri
 Ian Marc Bonapace
 Henry Lai
 Livio Giuliani
 Fiorenzo Marinelli
 Olle Johansson
 Michela Padovani
 Nesrin Seyhan
 Maurizio Fontana
 Örjan Hallberg

RESOLUTION ON THE RADAR OF POTENZA PICENA, ITALY

20th April 2013

The international congress “Radar, radiofrequency and health risk”, which is held today Saturday, April 20th, 2013 in Potenza Picena, Macerata, Italy, found out several scientific findings regarding the radar placed in Potenza Picena:

- an alteration of the cell viability in cultured cells exposed to the radar signal under controlled conditions (in a Tem cell), with the activation of apoptosis in a short term exposure and with an activation of cell survival signals for 48-hours exposures;
- the cells cultured in the houses of Potenza Picena under the radar signal exposure showed the same alterations of in vitro studies;
- the methylation of DNA occurred to such exposed cultured cells, that may be responsible of a genetic damage on a long term even for low dose exposures;
- the epidemiology study for the period 1986-1991 shows a significant increase of tumor risk (1.6) and of stroke risk (1.4).

Given the previous evidences, the following signatories are morally engaged to declare that the radar in Potenza Picena cannot be defined as “safe” for the population and it should be switched off or removed:

Massimo Scalia
Eleonora Miranda
Mario Barteri
Ian Marc Bonapace
Henry Lai
Livio Giuliani
Fiorenzo Marinelli
Olle Johansson
Michela Padovani
Nesrin Seyhan
Maurizio Fontana
Örjan Hallberg
Giovannella Maggini Mazzarella, Tribunale della Salute
Edoardo Marabini, Città Prestata
Francesca Romana Orlando, AMICA
Maria Cristina Tabano
Stefano Palmisano
Francesca Pulcini

From: Andrew Michrowski <paceincnet@gmail.com>

To:

Sent: Friday, April 26, 2013 2:24 PM

Subject: Fwd: David Aaron's final argument re FortisBc smart meter application/hearing before BCUC

David Aaron's final argument re FortisBc smart meter application/hearing before BCUC

This final submission clarifies what Health Canada / Industry Canada do not include in their 'guidelines' that IARC / World Health Organisation, et al, do include in their comprehension of emissions and their absorption by living beings from wireless technologies – among other factums.

Andrew Michrowski

From: **Karow** < @shaw.ca> Date: Fri, Apr 26, 2013 at 2:33 PM

Subject: David Aaron's final argument re FortisBc smart meter application/hearing before BCUC To:

Thanks, Cindy,

In the meantime it has been posted on BCUC's website about half an hour ago, click on yellow highlighted line below.

BCUC's website re FortisBC smart meter application/hearing is here:

<http://www.bcuc.com/ApplicationView.aspx?ApplicationId=359>

You will also find all other final argument submissions below.

Cheers, H.

Arguments

Title	Document Description	Submitted Date/Time	Approved Date
FortisBC Final Submissions	FortisBC Final Submissions March 28, 2013	2013/04/03 10:35:00 AM	2013/04/03
J. Flynn Final Submission	Final Submission April 18, 2013	2013/04/23 02:49:00 PM	2013/04/23
J. Tatangelo Final Submission	Final Submission April 22, 2013	2013/04/25 11:52:00 AM	2013/04/25
N. Gabana Final Submission	Final Submission April 23, 2013	2013/04/25 11:58:00 AM	2013/04/25
NCGP Final Submission	Final Submission April 24, 2013	2013/04/25 04:21:00 PM	2013/04/25
K. Miles Final Submission	Final Submission April 24, 2013	2013/04/25 04:23:00 PM	2013/04/25
BCMEU Final Submission	Final Submission April 25, 2013	2013/04/25 04:25:00 PM	2013/04/25
BCSEA Final Submission	Final Submission April 25, 2013	2013/04/25 05:24:00 PM	2013/04/26
RDCK Final Submission	Final Submission April 23, 2013	2013/04/26 09:02:00 AM	2013/04/26
RDCK Confidential Final Submission	Confidential Final Submission April 23, 2013	2013/04/26 09:03:00 AM	2013/04/26
BCPSO Final Submission	Final Submission April 25, 2013	2013/04/26 09:27:00 AM	2013/04/26
CEC Final Submission	Final Submission April 25, 2013	2013/04/26 09:32:00 AM	2013/04/26
WKCC Final Submission	Final Submission April 25, 2013	2013/04/26 09:47:00 AM	2013/04/26
BCSI Final Submission	Final Submission April 25, 2013	2013/04/26 09:50:00 AM	2013/04/26
CSTS Final Submission	Final Submission April 25, 2013	2013/04/26 10:50:00 AM	2013/04/26

From: Andrew Michrowski <paceincnet@gmail.com>

To: Dennis and Sharon < @shaw.ca>

Cc:

Sent: Sunday, June 9, 2013 5:54 PM

Subject: for discussion: Re: Building destruction from RF?

Building destruction from RF?

The terminology used by Al Duncan is novel. However, the process involved – which should be studied in greater detail, for its characteristics and spatial distribution – is there, albeit not necessarily so completely, nor at the atomic / subatomic level that is being inferred. To date we have surveyed surface effects at 'near-field' distances for the wavelengths involved, which can travel, or time deep into materials, for example: attain & dissolve rebars in structural beams and foundations, in accelerated time ranges, in fractal dispersion modality.

There is also the issue of strong disturbances, overcharging in electronic components and devices. Just a few days ago, an underground Bell Canada telcom circuit interfered with my car rental (Taurus 2013 – with frills & novel on-board computer programmes) to accelerate when I was braking by switching to a memory to resume cruise control speed while coasting in a small town to select a coffee stop.

Note that current wireless technology emissions (in the ‘interconnected fabric’ of wireless tech);, beaming, ricocheting in the open environment is still quite hap-hazard. Strong effects sometimes require sharp collapses of ‘standing waves’ which can wield extremely intense power density effects (including ball lightning type), strong increases in heating / electron stripping / ion characteristics in small areas.

To enable further comments, I am sharing my comments with a number of individuals who can appreciate the gist of what might be involved, and who are requested to share their knowledge and insight for further consideration.

On Sun, Jun 9, 2013 at 4:38 PM, Dennis and Sharon < @shaw.ca> wrote:

Hello, Andrew,

I am surprised and confused by Curtis’s description of the ‘molecular earthquake’ caused by smart meters, and wonder if he is really referring to the accelerated corrosion of which you warn. Could you please add anything to clarify this? If this is true, have the proper authorities been advised?

Thanks,
Sharon

A COMPLETE ANNIHILATION OF NORTH AMERICA

By Al Duncan

May 31, 2013

NewsWithViews.com

By the Author of *The Master Plan*

“Wi-Fi is the second antenna inside Smart meters and its frequencies are 4.8 billion times a second. This continuously bathes everyone within a 125 radius with violent, microwave, molecular earthquake-like frequencies.”

I had prepared Part III of *Why I Wrote The Master Plan*, and then, I ran across this information that I conclude to be far more imminent. Aware that there is a population agenda, of which includes the elimination of ninety percent of the world’s population, and that that agenda has been deployed in a variety of methods, I had no idea of how tactical the plan exposed below would play in the plan to reduce the population.

If what you are about to read is accurate, and all my research confirms that it is, it appears that this could result in the total annihilation of North America.

According to Curtis Bennett, an engineer technician, who is testifying on behalf of the people of Canada against the Public Utility Commission, if this onslaught is not stopped, death and destruction will be the outcome.

I put together the following from an interview with David Knight of Infowars Nightly News, Sheila Hemphill and Curtis Bennett.

The Smart Grid is a transmission system that delivers electricity to and from power plants to distribution substations, and then the substations delivers it to homes and business. The Smart meter is capable of communicating with smart appliances and the power plants.

Smart meters can cover up to 125 square miles. This puts everything within that area inside of an electrical circuit; it actually bathes this 125 sq. mile radius, and everything in it, including people, with an electrical circuit. Smart meters run at 900 megahertz, this means a router is blasting whole communities with a blanket coverage of 900 megahertz of vibration going through walls and fire separations at 1.8 billion times per second. This literally causes the structures and the fire separations to flip directions at 1.8 billion times per second. Every structure within the area is being weakened; it is the same as being cooked over a sustained period of time like a microwave cooks food.

Wi-Fi is the second antenna inside Smart meters and its frequencies are 4.8 billion times a second. This affects everything, including and especially living entities such as plants, trees, fish, insects, animals, and humans. This bathes everyone within that 125 radius with violent, microwave, molecular earthquake-like frequencies.

Because these frequencies go through wooden and concrete structures, such as buildings and bridges, causing molecular earthquakes within these structures, they are compromising building codes. Since each structure is designed for specific seismic activity, specific wind loads, etc., when they are continuously being violently shaken at disastrous molecular and atomic levels, measurably, 1.8 billion times per second, building codes are being violated. This type of constant violent activity would automatically render all structures illegal, and make the municipalities liable. So what will happen when buildings cannot pass building codes, will insurance companies still insure them; will banks still finance them? How long it will take before hospitals and schools are condemned?

If it is doing this to concrete and wooden structures, such as buildings and bridges, imagine how it is vibrating and weakening cells. Living organisms are far more sensitive than building structures. These high-speed frequencies are electrically inducing currents capable of changing the voltage of organisms. These violent vibrations are microwaving cells, causing molecular changes and violent, earthquake type disruptions, while weakening organisms in a much more concentrated process than they do building structures. This is rapidly changing everything in our environment.

The Electric Grid is on twenty four hours a day, seven days a week, so structures, plants, trees, insects, animals, birds, fish and people are being hit with these frequencies twenty four hours a day seven days a week. The higher the power density, the more frequencies are being bombarded into structures, plants, trees, insects, animals, birds, fish and people. Insulated wires within houses are used to protect organisms. Without insulation, such as wireless devices, you become the conductor, and the damage that they are doing to the coverage area, which is pretty much all of North America, is immeasurable.

Nobody has studied the effects of bathing an entire community with frequencies that saturates everything in its path with molecules that go through walls, windows, doors, buildings and into the ground up to three feet. The mind and body are affected by electrical waves or vibrations. All living cells emit energy, as well as light, which is a frequency. Energy comes from the sun, which energizes organisms. We also get energy from food, if we are not getting the proper amount of energy from food, which is being microwaved by these high frequencies, we become fatigued.

In North America, we have a 60-hertz electrical grid. Your appliances have 60 hertz for that electrical compatibility with the grid. Smart meters produce 900 million cycles a second. These high frequencies are going through homes, through human beings, through babies inside mother's wombs and assaulting human brains that runs between four hertz, while sleeping, to thirty-eight hertz, when highly active. The only

alternative, scientifically speaking, is an electrical failure. That is why it is extremely dangerous to deploy high frequencies like these throughout a community. Every scientific angle must be incorporated into the equation, or you are going to have damages across the board, and the liabilities will far exceeds anything anyone can imagine.

The Pacific absorption rate predetermines that you can take a reasonable absorption of this radiation into your body, but everything has to be taken into consideration. They have made this assessment based on people being a piece of meat, not considering that people have frequencies and electrical nerves, and that the nervous system is tied to the hormonal system and that any alternative electrical stimulation will cause failure. These types of frequencies going through people are neurologically stimulating. The voltage of a cell is minus seventy megahertz. Because living organisms are not compatible with these frequencies, they will eventually kill everything in the coverage area.

The powers that be have always relied on the fact that the public is ignorant. Therefore, they have desperately done everything possible to keep us in that state. Because the public is finally awakening, we have rightfully become more watchful and questioning of the hidden motives behind each new plan, each new course they want to take us, and each new technological device being introduced. For the past thirty years that I have been studying these master planners, I have found that everything they do is for their benefit and our loss, and everything they say as truth is always just the opposite. If you acquire that same attitude, you will fare much better in your attempt to delay this transition into the New World Order.

I will continue Part II, *Why I Wrote The Master Plan*, next week.

Purchase The Master Plan.

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For more of my humble opinion, visit:

<http://deenicholson.wordpress.com>

For more of my humble opinion, visit:

<http://deenicholson.wordpress.com>

From: Andrew Michrowski <paceincnet@gmail.com>

To: Martin < @rogers.com>

Cc:

Sent: Friday, June 28, 2013 7:38 AM

Subject: considerations - Re: Valerie Matiuchin

Considerations - Re: Valerie Matiuchin's suicide due to her suffering from extreme EHS

Dear Martin ,

Attached is the unsolicited advisory to the **Mayor of Brantford** on radio-frequency / microwave emission levels under his purview and responsibility (which was also individually sent to each municipal representatives by email). Note that Industry Canada has also collected readings of Valerie's premises, and could be held accountable for her most unfortunate and dramatic case, as well as indirectly Health Canada.

We will search our archives for our detailed EM survey results and comments regarding **Valerie Matiuchin** to assist the **Coroner**, who may be able to actually "see" and determine physical evidence on her body of the imprints of these exposure, especially in the head, based on the known sources of EM radiation in her residence.

Her bed site had elevated magnetic fields and her head was less than 30 cm from one of the first "SMART" water meters installed in Canada.

Based on research and dozens of similar surveys done since of special situations, much of what she sensed with regards to background emissions were her sensing of room-temperature (near 0 to 35 degrees Centigrade) plasma (volume) type MASERs (*microwave amplification by stimulated emission of radiation*) involving static electricity, background emissions from various super-imposed microwave transmitters, including cell-phone communications, aircraft guidance systems, citizen band and other communication devices, and the addition of SMART meters, most of which also include ELF modulation (1 to 500Hz). Valerie Matiuchin, like some other individuals whom we know, not only could 'sense' near-or-above her head such plasma, but also to correctly hear and identify specific communication, IT chatter modes, data downloads, and signalling patterns when interfacing such interferometry 'clouds' / clusters. When audible - or objectified, these patterns can be particularly annoying, since like they resemble persistent trumpets sounds, which also have biologically adverse 'sawtooth' waveforms – which are used, by the way, by the military for 'non' lethal weaponry applications.

I hope that this communication clarifies aspects of Valerie Matiuchin's tribulations, which she tried so desperately to convey to whom she trusted to be not only of authority but also of responsibility for the common good of society so entranced by the 'bells and whistles' of wireless technology.

Wolf, E. (1963) Spatial coherence of resonant modes in a maser interferometer. *Physics Letters*, 3 (4), 166-168.

(Emil Wolf in 1963 predicted an increase of the coherence of light in highly dispersive media with increasing thickness of the layer and has shown in absorption experiments (Popp et al., 1984) that biophoton emission – in opposition to artificial light – is able to penetrate disperse media like sand and soybean cultures of a thickness of thousands of cells. Optical transparency of biological tissue has also been demonstrated by Mandoli & Briggs (1982, 1984) and others (e.g., van Brunt et al, 1964; Vogelman, 1989). Cavity Quantum Electrodynamics makes it clear that just *because* tissues are 'optically' dense, they interact with the vacuum by cavity formation and thus create special coherence effects.)

Prof. **Phillip S. Callahan** demonstrated with over 10,000 spectra cases – usually with exoskeletons – that when flickering electromagnetic fields oscillate at ELF frequencies blow or float organic molecules numerous MASER-like, narrow-band emerge. These then 'shake' organic (living) molecules, and thus stimulate coherent or partially coherent emissions. As early as 1934, such 'mechanical' vibration + electric fields were associated with positive and nefarious health aspects (W. Reich) based on tens of thousands of electrographic studies – often *in vivo* – in the realm of psychology.

Callahan, Philip S., Life control infrared maserlike wavelength. *Newsletter of the Planetary Association for Clean Energy*. (2) 2 May 1980 p 4-5.

On Thu, Jun 27, 2013 at 8:55 PM, Martin < @rogers.com> wrote:

Hi Anca, Sue, David and Magda

I arrived home from England to some very bad news, Valerie Matiuchin from Brantford, had committed suicide. I have been in touch and supported Valerie since we met at the cell tower meeting in Simcoe City Hall about seven years ago.

Valerie's electro hypersensitivity caused her distress, great pain and often caused her body to overheat while sleeping. Last year she became delusional and stopped speaking to me. She ended up in a hospital and then earlier this year she contacted me and we were friends again. I thought she was still coping well and was very shocked to hear the news. I have little doubt that EMR tortured her, caused her mental problems and ultimately killed her.

I am waiting to hear from Valerie's friend 'William' in Brantford and may have more news when he contacts me.

I am intending to ask the coroner to call an inquest into the circumstances of her death and would like any assistance that you can give me.

Anca, I believe that you made a presentation to Brantford Council about EMF dangers, I would appreciate getting the details of that and any information you have about Valerie and her EHS condition. David and Sue, if you have any information about Valerie, please let me know.

Magda, Valerie was one of the persons you conducted DECT testing of, near Simcoe. Do you have any results that would help to show a Coroner and Jury that Valerie was being harmed by EMR ?

Andrew and Rob, during your meetings with Valerie, do you have measurements and information that may help

I have quite a few letters from Valerie which detail the symptoms that she experienced.

If anyone has any ideas how to get Valerie's death fully investigated, please let me know.

Regards

Martin

Radiation and Environmental Surveys

The Planetary Association for Clean Energy, Inc.

La Société planétaire pour l'assainissement de l'énergie, inc.

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pacenet@canada.com <http://pacenet.homestead.com>

NGO in Special Consultative status with the Economic and Social Council of the United Nations

May 30, 2005

Hon. M. Hancock

Mayor

City of Brantford

100 Wellington Square, PO Box 818

BRANTFORD, Ontario VOX: (519) 759-4150

N3T 5R7 FAX : (519) 759-7840

mhancock@brantford.ca

City of Brantford

Electromagnetic emission (radiofrequency and microwave spectrum) advisory

Dear Hon. M. Hancock,

Our Association, the Planetary Association for Clean Energy, Inc., is a Canadian learned society that has developed an international, independent, collaborative network of advanced scientific thinking since 1975, under the leadership of the late Canadian scientist Senator, the Hon. Chesley W. Carter. Our network has been peer reviewing since the 1970s, on an international scale, research on electromagnetic field hygiene.

Earlier this month, we undertook a survey along highways 401-403-QEW-Gardiner Expressway-DVP-404 – from Windsor via Brantford to Toronto (and subsequently onto Ottawa and Montreal) – scanning for the broadband radiofrequency/microwave band from 100 kilohertz through the 3 GigaHertz spectrum range).

Aside for a section of Toronto’s downtown, the Brantford section between Paris Road and Garden Avenue was monitored (during a 3 PM passage) to have the most elevated power density levels – up to 9 times the City of Toronto 2000 Prudent Avoidance Policy on the siting of base cellular phone antennas. Only in Oakville, next to the Ford Motor Company plant did we find comparable readings: 4.5 times above the Toronto policy level.

In addition, we have recently studied the base cellular phone antenna located near the Brantford and District Community Centre complex. We estimate, on the basis of our readings and the international engineering experience, that under certain conditions, such as maximum usage periods, during wet soil conditions, this installation can actually exceed by about 30% Canada Safety Code 6 “Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3kHz to 300GHz”. This regulation is administered by Industry Canada and is developed by Health Canada.

While the Canada Safety Code 6 limits exposure to when thermal (actual cooking) effects start, the City of Toronto policy has a protection factor, based on North American occupational health jurisprudence, to account for the fact that the general population has members such as children, pregnant women and the aged, who may be more sensitive to the health effects associated with chemicals and physical agents. This factoring is 100 times less, and it is duly explained in the City of Toronto Board of Health documents that are enclosed for your perusal.

Note that the City of Toronto policy’s limit is in fact mandatory and applied in many nations, including Italy and Switzerland (see the World Health Organization link). That level was first developed in Poland and in former Czechoslovakia after urban populations were exposed, during the cold war, to radar installations used for air defense with the result of alarming and widespread health problems. These health effects resulted from exposure levels above the City of Toronto limit of 0.01 milliWatt/cm², and resemble those occurring in Brantford.

For your information, the federal Safety Code 6 limit is about 1 milliWatt/cm², about 100 times higher than the Toronto policy limit. We measured in our pass-by 0.09 mW/cm², again, nine times higher than the Toronto policy limit.

Perhaps your City could inquire, before deliberating on this urban exposure problem, whether the health statistics actually indicate a rise in certain health problems that might be associated with exposure to radiofrequency emissions.

An excellent indicator that we have observed by Canadian epidemiologists, in certain zones of long-term radiofrequency exposure to the general population (to which we are privy in secret), is above-average prescription – relative to other communities in the province or neighbouring cities – of thyroid medication. Note that exposure to radiofrequency emissions resembles to exposure to ionizing radiation, and therefore affects thyroid activity. The health effects of exposure, as with radioactivity and with X-rays, are cumulative. The radiofrequency emissions can adversely interact with medication used for emotional disorders, including depression and hyperactivity.

Another useful indicator is obtained by examining the local death records immediately after each initiation of a radiofrequency technology in Brantford, such as the PCS system. Based on analysis in major U.S. cities immediately after PCS introduction, one observes a 2-6 week increase in death rates of between 10 and 25%, as compared to statistics of the previous decades for the same calendar date period. The variation of death rate

statistics in the American cities appears to depend on the nature of the urban skyline (and trees) and its ability to absorb the cellular phone transmissions.

In our recent spot survey of downtown Brantford we also noted that about 30% of the power measured downtown is in the 100 to 1,000 kilohertz range, which we presume is associated with the regional nature of communications activities.

We hope that this unsolicited information is of interest to you and your Council.

Please feel free to contact us if you have further questions.

Yours sincerely

Dr. A. Michrowski
President

From: Prof. Girish Kumar < @ .in>
To: Andrew Michrowski <paceincnet@gmail.com>
Cc:
Sent: Monday, July 1, 2013 6:17 AM
Subject: GK Newsletter on Cell Tower Radiation - July 2013 issue

GK Newsletter on Cell Tower Radiation - July 2013 issue

Dear All,

I have attached first issue of Newsletter on Cell Tower Radiation.

Please send your feedback and suggestions for next issue.

Please forward it to all your known people to create awareness.

With regards.

Girish Kumar
Professor, Electrical Engineering Department
I.I.T. Bombay, Powai, Mumbai - 400076, INDIA
Tel. - (022) 2576 7436, Fax - (022) 2572 3707
email- @ in, @gmail.com
Blog - <http://profgirishkumar.blogspot.in/>

NEWSLETTER 2013 Volume 1 July-August 2013
Electrical Engineering Department, IIT Bombay, Powai, Mumbai
(022) 2576 7436 @ in

Editor's Column

The cell phone industry may not admit that there are harmful effects just like the cigarette industry. People have to unite to convince policy makers to adopt stricter radiation norms to protect people, birds, animals, trees, plants and environment.

Professor Girish Kumar
Electrical Engineering Department, IIT Bombay
@ in

Cell phone technology has grown rapidly and currently there are more than 90 crore cell phone subscribers and nearly 5.0 lakh cell phone towers in India. From Sep. 1, 2012, India has adopted 1/10 of ICNIRP Guidelines, which implies safe power density of 470 milliWatt/m² for GSM900 and 920 milliWatt/m² for GSM1800 based on Inter-Ministerial Committee (IMC) report 2011, which mentioned several health hazards due to radiation.

A large number of scientists prepared Bio-Initiative Report in 2007 and they proposed safe radiation density of 1.0 milliWatt/m² for outdoor cumulative RF exposure and 0.1 milliWatt/m² for indoor cumulative RF exposure. Again, 29 scientists from 10 countries prepared Bio-Initiative Report in 2012, who scrutinized 1800 papers and reported that health hazards were a certainty.

The most common complaints are: sleep disorder, headache, irritability, concentration problems, memory loss, depression, hearing loss, joint problems, etc. More severe problems include seizures, paralysis, miscarriage, irreversible infertility, and cancer. Children and pregnant women are more vulnerable.

Interphone study in May 2011 reported that excessive users of mobile phones (i.e., 1/2 hour/day over 8 to 10 years) have doubled to quadrupled brain tumor risk. On May 31, 2011, WHO reported, "The electromagnetic fields produced by mobile phones are classified by the International Agency for Research on Cancer as possibly carcinogenic in humans."

An expert group of 10 people formed by Environment Ministry, India submitted their report in Oct 2011 on "Impacts of communication towers on Wildlife including Birds and Bees". They have referred 919 papers and classified 593 reported adverse effect, 130 papers reported no effect, and 196 papers reported inconclusive/neutral effect. Thus, apart from humans, cell tower radiation also affects birds, animals, plants, and environment. Yield of fruit bearing trees near cell towers is going down significantly.

Many countries have adopted stricter norms, for example, Austria has a radiation norm of 1 milliWatt/m². If mobile coverage is possible in these countries, then there is no reason why we cannot have low radiation norms in our country.

The cell phone industry and telecom operators may not admit that there are harmful effects just like cigarette industry did, decades ago. People have to unite to convince policy makers to adopt stricter radiation norms to protect people, birds, animals, trees, plants and environment.

This newsletter is a repository of news and information on radiation, particularly from cell towers. In this first bi-monthly newsletter, you will find news from Mumbai on Pages 2 to 4, news from other states on Pages 5 and 6, international news on Page 7 and lighter moments on Page 8.

Events
Workshop at UT Bombay

Two workshops on "Cell Tower Radiation Hazards and Solutions" have been conducted at IIT Bombay on Nov. 20, 2011 and July 9, 2012. Purpose of the workshop was to bring all the stake holders (concerned citizens, operators, doctors, scientists, etc.) and create awareness. Details on the workshop and several reports and videos are uploaded at: <http://www.ee.iitb.ac.in/~mwave/workshop2>

Prof. Girish Kumar has been giving lectures to create public awareness at several cities, namely, Ahmedabad, Amer, Barwani, Bengaluru, Bhopal, Bhubaneswar, Dahradun, Delhi, Goa, Indore, Jaipur, Jodhpur, Kolkata, Mumbai, Nanded, Pondcherry, Pune, Thane, Thiruvananthapuram, Varanasi, etc,

News from Mumbai

Published in DNA, Mumbai April 7, 2013
DoT wakes up to cancer risk from mobile tower

A study conducted by the Department of Telecommunication (DOT) body 'TERM Cell, Mumbai' has documented cases of deaths due to cancer in areas overexposed to radiation from telecom towers in Mumbai. They reported that in one residential complex, six members of five individual families have been diagnosed with cancer in a span of 5-6 years.

A resident of Jawan Nagar society mentioned that at least eight of his neighbours have died due to cancer in his society in the past two years, and the towers are less than 20 metres away. "We are not going to wait for one of us to get cancer and so have decided to take legal action," he said.

Published in Hindustan Times, Mumbai on January 7, 2013
Radiation affects health: global report
PROOF The Bioinitiative Report 2012 refutes claim by cellular phone operators that there is no conclusive evidence to prove correlation between radiation and health problems

Bio-Initiative report of 2012 is brought out by 29 independent scientists and health experts from 10 different countries. They went through 1800 research papers and reported that there are several health hazards like headache, difficulty in concentration, immune system imbalance, DNA damage at prolonged exposure even when radiation level is as low as 0.03 and 0.5 milliWatt/m².

Published in Middy, Mumbai on Jan 3, 2010

CASE STUDY

Three cases of brain tumors (two cases of cancerous nature and one case of recurrent/aggressive meningioma) and one case of bone cancer were reported in a span of few months in Usha Kiran building.

One year after the article was published two more cancer cases were reported in the same building. The six cancer cases were detected in consecutive floors (5th, 6th, 7th, 8th and 10th) that are directly facing and at the same height as the two mobile phone towers placed on the roof of the opposite building.

Published by IIT Bombay Students magazine Insight on April 2013.
www.insightiitb.org

An Aawhan against cellphone tower radiation

To ensure better connectivity several network operators have set-up their radiation towers within the Institute. Currently one can find these towers at Tansa House, Hostel 14, Main Building and the Chemical Department. Although students complain of poor network coverage there's a flipside to this opinion, which a certain PAP
Hazards of Toxic Cell Phones, Wireless Devices, Etc – Book One 31

tried to showcase last year. It has been alleged by several researchers, including some faculty at IIT Bombay, that the high-intensity radiation emitted from network towers might be severely damaging to humans. Through the course of this article we unearth the major differences between the safety norms of India from other countries and also how safe are you at IITB specifically. As part of our research we mapped the radiation intensity at several places in the campus, the results of which can be seen in the map below.

What happens on a Radiation Tower?

Considering each tower houses several network operators the usual power emitted from an individual tower is in the range of 1300 watts. In the United States, the law stipulates that cellular companies keep their power levels strictly under control. In contrast, in India, the factor of safety is forgone. Thus, it leaves the possibility for disastrous biological effect, due to long-term exposure to low-level radiation even if there are no short-term symptoms. Besides this, the cell towers in India are much shorter than their counterparts in the United States, thus increasing the chances of plausible damage due to decreased distance from the primary source.

India allows a radiation density up to 4500 mW/m^2 while Switzerland decrees that the radiation levels in its schools, apartments and hospital areas cannot exceed 42 mW/m^2 .

But the norms laid down by our Government are themselves extremely lax allowing for a radiation density of 4500 mW/m^2 While the Bio-initiative report demands this number to be as low as 1 milliW/m^2 , for indoor areas (limited exposure) and 0.1 mW/m^2 for indoor areas (continuous exposure). Switzerland for example, decrees that the radiation levels in its schools, apartments, hospital areas, etc. cannot exceed 47 milliW/m^2 .

Prof. Kumar's efforts over the last couple of years have resulted in the Govt. of India reducing the acceptable limit to 450 mW/m^2 which, while a large improvement over the previous standard, is still far from ideal.

IIT Bombay students took an initiative to map the radiation intensity at several places in the campus and they found that radiation is at hazardous levels in several areas in the campus. The Bio-sciences department professors have sent a letter to the Institute authorities to set up low-power network towers to ensure safe environment.

Published in DNA, Mumbai on April 22, 2013

`Cancerous' cell phone towers panic Parsi Colony

After six cases of cancer were reported in the past three years in their neighborhood, the residents of Parsi Colony are a panicked lot. They have put up banners, distributed handbills in the area and invited people for meetings to protest against the cell phone towers on buildings in the vicinity. A resident who is undergoing treatment post her surgery, says, "I can't prove it, but people like me – who have suffered from cancer – have a strong suspicion that it is due to the cell phone towers that came up around here a few years ago."

Published by the Times of India on May 13, 2013

Doctors report 50% hearing loss among cellphone users

Doctors say that excessive use of cell phones can cause the deadliest of health hazards among users like pain in the ear, hearing loss, tinnitus (where there is a buzzing in the ears) to hormonal imbalance and ultimately cancer. Hormones like endocrine and melatonin are disrupted big time by excessive cell phone usage. This tends to increase stress and also reduces sleep time in a person's daily biological cycle.

"It is good, therefore, to decrease talking over the mobile phone, and use landline or texting", say Dr. Shashank Joshi, Member of the Association of Physicians of India.

Hindustan Times, Mumbai, on October 12, 2012

In April 2011 a study was conducted in Kerala to study the impact of mobile phones on honey bees. It was found that although bees are susceptible to diseases and are attacked by natural predators like wasps, the sharp decline in population of late, is more due the indiscriminate increase of mobile towers.

From: " @netzero.net" < @netzero.net>

To: @videotron.ca

Cc: paceincnet@gmail.com

Sent: Wednesday, July 24, 2013 10:39 PM

Subject: RE: some effects of collapse of background microwave emissions on individuals, equipment..

Some Effects Of Collapse Of Background Microwave Emissions On Individuals, Equipment

Maria,

A woman I know attended an information session with our utility company Pacific Gas and Electric Company, which had a live Smart Meter there. She has a pacemaker, and it started defibrillating 4-5 feet away from the Smart Meter. Her cardiologist later told her that he wouldn't have a Smart Meter.

She wasn't able to get much useful information from her pacemaker manufacturer. It would be helpful to have cardiologists go on the record saying that Smart Meters can cause problems. I think that will involve outreach to physicians about the overall health effects as well as the interference problems. And with other medical implants, too, such as insulin pumps and Parkinson's deep brain implants.

There is a great article written by a Parkinson's patient here.

<http://www.startribune.com/opinion/commentary/22122349.html>land

and an interview with Dr. Gary Orloeft who also has Parkinson's and a brain implant

<http://emfsafetynetwork.org/?p=4560>

Outreach to patient groups such as these would probably yield stories about what they are already experiencing. This is very frightening.

Nina Beety

From: Maria < @videotron.ca>

To: Andrew Michrowski <paceincnet@gmail.com>,

Cc:

Subject: RE: some effects of collapse of background microwave emissions on individuals, equipment..

Date: Thu, 25 Jul 2013 00:59:08 -0400

Thank you Andrew,

A citizen called this evening very concerned with the smart meters because he has a pacemaker and terrified that is affected by the smart meters. His doctors told him not to pass through the machines in airports, to pass quickly on the theft monitors in stores but no one is giving him any answers with regards to smart meters interferences with his medical device.

Maria

De : Andrew Michrowski [mailto:paceincnet@gmail.com]

Envoyé : 24 juillet 2013 13:46

À :

Cc :

Objet : some effects of collapse of background microwave emissions on individuals, equipment..

Reply to a correspondent regarding background microwave emissions affecting.

Similar situations have been observed on equipment bursting into flames: cablevision convertor, smoke detector, entertainment devices, television monitors, battery charger – correlated with monitored beam trails. Beams have also been observed from SMART meters sending data to LAN units in neighborhood, but not yet associated with standing wave collapse regimes.

IF THERE IS A CONSTANT FOCUSED MICROWAVE EMISSION BEAMING IN SOME DIRECTION (E.G. - from a neighbour's router, from a cell tower, even if bounced from gutters, etc.), SAY TO A CONDUCTIVE MATERIAL DOOR, WINDOW FRAME, STUDDED WALL, ENERGY MAY COLLECT AND BUILD UP CHARGE(S) - SOMETIMES UP TO "THERMAL EFFECT" POWER DENSITY LEVELS - OVER TIME. IT IS SUFFICIENT THAT A SUDDEN INTERRUPTION OF SUCH BEAMING - SAY A TRUCK PASSING BY - TO CAUSE A "COLLAPSE OF A STANDING WAVE PHENOMENON" WHICH CAN RELEASE SUCH A CHARGE. SCIENTISTS HAVE MONITORED, SINCE THE 1950s, EVEN ELECTRIC FIREBALLS START THIS WAY.

The pictures above indicate a cell phone beam bounced off a basketball board from a cell tower in Manotick, Ontario which is concentrated in the centre of a window frame as a round shape, objectified in winter conditions. This beam caused failure of electronic equipment in the room placed in front of it about 3 meters away from the pane.

I hope this information helps..

Andrew Michrowski

On Tue, Jul 23, 2013 at 6:59 PM

Thank you Andrew,

I have some concerns with medical doctors in Canada. When I expressed my reaction to the open garage experience and the feeling of severe pain and immobility on my left lower jaw and mouth the other day, I recall your suggesting that it may be possible a car was passing by at the same time and that you had experienced something similar. Can you elaborate?

I still have mercury in my teeth on the lower left side of my mouth. I am not sure if that is the conductor, but yesterday and this morning, I felt a laser-like feeling of pain through my ear and into the left jaw again. Yesterday, I felt it on my right foot and could not move. Any thoughts on this?

Is it possible that what we had discussed some time ago may be happening? That is, there is some deflection going on and that some of the smart meter waves are actually bouncing off other metal and conductive surfaces and are thus directed towards me?

Thank you for your thoughts on this matter.

From: Diane < @hotmail.com>
To: Andrew Michrowski <paceincnet@gmail.com>;
Sent: Saturday, July 27, 2013 5:42 AM
Subject: RE: some effects of collapse of background microwave emissions on individuals, equipment..

The pain this person has felt in his ear and jaw and all the way to his foot, I feel this and more since 2007 when I got hit by lightning on the phone. Since just be next to a cell phone, portable, fluorescent and +++++ so when all the meters will be changed in Sherbrooke I'm not sure what will happen to me? Just to move maybe?

De: Andrew Michrowski [mailto:paceincnet@gmail.com]

Enviado el: sábado, 20 de julio de 2013 20:26

Para:

CC:

Asunto: Fwd: A new paper by Professor Martin Pall is a must read! "Electromagnetic fields act via activation of voltage-gated calcium channels to produce beneficial or adverse effects"

Electromagnetic Fields Act Via Activation Of Voltage-Gated Calcium Channels To Produce Beneficial Or Adverse Effects

This is a critical contribution to science – and may help all who are attempting to vehicle adequate protection of living systems from abuses in electromagnetic designs and implementation that trespass due process.

We have published precursors to this angle of examination on the cause-effect relations between living systems and the full range of electric and magnetic manifestation, whether weak or intense:

- static (non-changing/ non-varying),
- non-linear (random),
- or frequency & waveform associated.

Such precursors whom we have published, since the 1970s, include **William Ross Adey & Robert Becker** (US Veterans) **Evans Harris Walker** (US military), **Eldon Byrd** (US military), **John Tanner & Sydney J. Webb** (National Research Council of Canada), and it is encouraging to see that the evolution and synthesis of their research has progressed to this level of focus.

We encourage due propagation of this milestone.

Dr. Andrew Michrowski
The Planetary Association for Clean Energy
Canada

From: **Olle Johansson** <Olle @ se>

Date: Fri, Jul 19, 2013 at 4:58 AM

Subject: A new paper by Professor Martin Pall, a must read! "Electromagnetic fields act via activation of voltage-gated calcium channels to produce beneficial or adverse effects"

To: Olle < @ki.se>

Dear All,

Please, see this new paper by Professor Martin Pall – a must read!

Martin Pall writes:

One of the great puzzles about the action of electromagnetic fields is how can they influence the biology of our bodies? The reason that this is such a great puzzle is that these fields are comprised of low-energy photons, with energies too low to influence the chemistry of our bodies. So how can they possibly influence our biology? Many have argued that the only thing that they can possibly do is to heat things, and yet it is very clear that levels of exposure that produce only the slightest heating have been repeatedly shown to produce substantial biological effects. Now this puzzle has been solved in a paper with the title of this email, published on line in the Journal of Cellular and Molecular Medicine, freely available on the publisher's web site:

<http://onlinelibrary.wiley.com/doi/10.1111/jcmm.12088/pdf>

That paper reviews 24 different studies in which EMF exposures produce biological effects that can be blocked by using calcium channel blockers, drugs that block the action of voltage-gated calcium channels (VGCCs). Most of these drug studies implicated L-type VGCCs, showing blockage by channel blockers specific for these L-type VGCCs; however three other classes of the voltage-gated calcium channels were also implicated in some of these studies. What these and other studies show, is that EMF exposures act by partially depolarizing the electrical charge across the plasma membrane of cells, activating the VGCCs, and it is the increased intracellular calcium levels that are responsible for the reaction to EMF exposure. These 24 studies implicate the VGCCs in responses to a variety of EMFs, including extremely low frequency EMFs such as 50 and 60 cycle fields produced by our alternating currents in our wiring, various microwave/radiofrequency EMFs and nanosecond electrical pulses. Static electrical fields also act via VGCCs, not surprisingly because they also influence the electrical charge across plasma membranes.

Perhaps more surprisingly, static magnetic fields also act via VGCCs. This is a bit surprising because static magnetic fields do not produce electrical changes in static objects. However as pointed out in the paper, living cells in the body are rarely static, often moving rapidly in such phenomena as cellular ruffling.

Having resolved this long-standing puzzle, the paper goes on to consider how VGCC activation can produce two well-documented responses to EMF exposure: stimulating of bone growth and the production of single stranded DNA breaks in EMF-exposed cells. EMF exposures have repeatedly been shown to produce increases in nitric oxide levels, in some cases almost instantaneously. These nitric oxide increases are produced through calcium stimulation of the action of the two nitric oxide synthases in the cell, iNOS and eNOS, which are both calcium-dependent enzymes. Nitric oxide in the cell, acts to produce most physiological effects, by stimulating the production of cycle GMP which stimulates, in turn the G-kinase (this is known as the NO/sGC/cGMP/G-kinase pathway). Most pathophysiological responses to nitric oxide to through another pathway, where nitric oxide acts as a precursor of peroxynitrite, a potent oxidant and reactive free radical precursor. The paper suggests that the EMF stimulation of bone growth, a very promising therapeutic response, goes through the first pathway. It also suggests that induction of single strand breaks in cellular DNA goes through the second pathway. It is possible that possible beneficial effects of EMFs go through the first pathway and adverse, pathophysiological effects go through the second pathway. Clearly we will need a lot of study to test mechanisms of EMF action.

This paper may be viewed in a practical setting as being very important in two ways:

1. There have been many claims that biological effects of EMF exposures cannot possibly exist because no plausible mechanism of action of such exposures could produce such effects. Clearly these claims are now defunct.

2. In studies aimed at understanding the mechanisms of action of EMF exposures we now know where to look. Such studies need to look at roles of VGCCs, intracellular calcium, nitric oxide and possibly cycle GMP or peroxynitrite. It can be argued, therefore, that this paper is very much a game changer, changing a situation where there has been substantial confusion, into one where, specific, targeted questions can be asked and answered experimentally.

Finally, this paper says nothing at all about EMF hypersensitivity (often abbreviated EHS), a condition where previous EMF exposure appears to induce high-level sensitivity to some types of EMFs. EHS is similar to multiple chemical sensitivity (MCS), whereas previous chemical exposures produce high-level chemical sensitivity. Chemicals act in MCS by indirectly activating the NMDA receptors and NMDA receptors have many similarities in their properties to those of the L-type VGCCs. You should expect, therefore, a future paper on a detailed proposed mechanism for EHS, with both many similarities and some apparent mechanism of MCS as well as some differences.

You may forward this message as you wish.

Martin Pall [@ .edu]

Best regards
Yours
Olle

(Olle Johansson
The Experimental Dermatology Unit
Department of Neuroscience
Karolinska Institute
171 77 Stockholm
Sweden)

From: Irina < @vivosano.org>
To: Andrew Michrowski <paceincnet@gmail.com>;
Cc:
Sent: Friday, September 6, 2013 2:05 AM
Subject: Letter to EU Commission

Letter to European Union Commission

(Sorry for cross-posting)

Dear All,

We are sending a letter to the European Union Commission expressing our concern on the **unprecedented global exposures to artificial electromagnetic fields** (EMF) (both RF: Radiofrequency and MF-ELF: Magnetic fields, Extremely Low Frequency) and asking the Commission to become active in the protection of the people and the environment through 3 simple steps (please see letter attached).

I would really appreciate that you support us with this initiative, so we can add your name to the list of supporting organizations.

Please reply to me and to Eva eva @utanet.at who is organizing giving the letter to Potocnik in Vienna next 13th September.

I will give it again personally to him on the 26th September in Brussels at the HEAL (Health and Environment Alliance) Annual General Assembly.

Thanking you in advance.

Many Regards,

Irina
Irina de la Flor
Directora

Organización para la Defensa de la Salud
Health Defense Organisation

FUNDACION VIVO SANO
VIVO SANO FOUNDATION

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E. irina @ .org

La conservación del Medio Ambiente es responsabilidad de todos. Antes de imprimir este mensaje, por favor compruebe que es necesario.

Este mensaje se dirige exclusivamente a su destinatario. La información incluida en el presente correo es confidencial sometida a secreto profesional, especialmente en lo que respecta a los datos personales, cuya divulgación está prohibida, en virtud de la legislación vigente. Si usted lo ha recibido por error, le rogamos que nos lo comunique por este medio y proceda a su destrucción.

President José Manuel Barroso

Cc: Vice-President Antonio Tajani, EU Commissioner for Industry and Entrepreneurship

Cc: Commissioner Janez Potočnik, EU Commissioner for Environment

Cc: Commissioner Tonio Borg, EU Commissioner for Health and Consumer Policy

Madrid, 1st September 2013

Dear President Barroso,
Dear Commissioners Tajani, Potočnik, and Borg,

We, the undersigned health, environmental, citizens and occupation/workers organisations are writing to express our concerns about **a matter of urgency for the health of EU citizens and wildlife of the unprecedented global exposures to artificial electromagnetic fields (EMF)** (both RF: Radiofrequency and MF-ELF: Magnetic fields, Extremely Low Frequency), which the World Health Organisation (WHO) have classified as possible carcinogenics type 2B.

You will soon be making key decisions on public health implications for significantly reducing exposure to these toxicants which low-intensity (non-thermal) bioeffects and adverse health effects are demonstrated at levels significantly below to existing EU exposure recommendations and guidelines (1), that will improve EU citizens health and the protection of EU wildlife, increase health and consumer information aspects, promote innovative technologies, reduce European health costs and ultimately ensure EU leadership in strengthen the competitiveness of Europe's telecommunications industry.

With the Europe 2020 strategy, the EU has set itself the goal of becoming a smart, sustainable and inclusive economy. We believe that precautionary actions (2), given the existing evidence for potential global risks of EMF, will make a significant contribution to greater sustainability, lead to a more efficient use of resources through the development of safer and greener technologies and will bring significant health benefits that will contribute to a healthy population.

The weight of scientific evidence, as outlined in the recent review by the WHO and the IARC (3), tells us that the European population are not sufficiently protected from EMF as EMF are possibly linked to serious irreversible impacts on human health. Recent EU co-funded research programmes show that EMF have a stronger impact on sensitive populations (such as fetuses, children, pregnant women, the elderly and the ill). It is therefore important that the EU ensures that European health and environmental protection is not undermined by policies which disproportionately address the short term interests of telecommunication industries. **Exposure minimization** should become the key goal of the new EU EMF policy.

In particular we call on the EU Commission to work in the coming weeks:

1) **To limit the maximum exposure of RF- EMF to 0.6V/m**, ensuring continual monitoring of this limit, providing continual public information on current exposure levels and doing progressive review of this limit on the basis of the latest scientific publications. And **to limit the maximum exposure of Magnetic fields (ELF) to 0.1 μ T**, doing also progressive review of this limit on the basis of the latest scientific publications as the first two crucial steps in achieving adequate regulation of EMF with possible carcinogenic properties in order to position the EU at the head in the protection of people and the environment (4).

2) **To create European Information Campaigns (5) and Education Programmes for professionals to raise public awareness on minimizing exposure to EMF and potential associated risks** promoting wired (instead of wireless) connections, minimizing the risks involved in the use of cell phones and other wireless devices (reduce time of exposure, increase distance between wireless devices and the head and the body in general, have them switched-off when close to the body, avoid its use by children or pregnant women, avoid areas of maximum exposure, use of the cable phones for long calls, etc.) targeting especially vulnerable populations as the second crucial step in achieving adequate regulation of EMF with possible carcinogenic properties.

3) **To develop a strategy to establish public places free from EMF**: such as schools, kindergartens, hospitals and health care facilities, governmental buildings and others (such as post-offices, libraries, etc.), public transport (trains airplanes, buses, taxis etc.), community centers and residences for the elderly, shopping centers, etc., withdrawing from the market all cell phones and wireless devices specifically intended for children including the so called Mosquito alarm, ordinary DECT cordless phones, technologies that expose infants to the RF-EMF and ELF-MF (such as incubators, baby monitors, toys etc.) and ensuring adequate protections for vulnerable populations, including pregnant women, children and hot spot communities as the third crucial step in achieving adequate regulation of EMF with possible carcinogenic properties. (6)

As the existing legislation is not able to do this currently, we call on you **to recognise the overwhelming evidence of the potential dangers of EMF and acknowledge the conclusions from the WHO/IARC reports** **am the Council of Europe's (PACE) Committee Resolution 1815 (7) and to take the necessary steps to reflect this knowledge in EU EMF Policy.**

We also call on you to ensure European leadership in the global context as EMFs have become a **priority health issue in international discussions** on the safe use of technology. Recent reports from the European Environment Agency (EEA) and UNEP have demonstrated the costs of inaction associated with health and environmental effects of EMF exposure and how much more expensive it is to take action later after there have been early warnings.

In view of the public interest in this matter, we aim to make the matters of this letter widely available.

Yours Sincerely,
Irina de la Flor
Director
Health Defense Organisation
Foundation VIVO SANO

Supported by the following organizations: (confirmed and not confirmed)

Alliance for Cancer Prevention (ACP)

Asociación Española de Bioconstrucción (AEB)

Asociación para el cuidado de la vida en un planeta vivo (Plural-21)

Association Européenne pour la défense des Droits de l'Homme (AEDH)

Association for Chronic Chemical and/or Environmental Injury (AMICA)

Association luxembourgeoise pour l'application du principe de précaution en matière d'implantation de stations relais de la téléphonie mobile

Associazione per la prevenzione e la lotta al Elletrosmog (APPLE)

Bavarian Ministry of the Environment, Public Health and Consumer Protection

Beperk de Straling

BUND Friends of the Earth Germany

Cancer Prevention and Education Society (CPES)

Center for International Environmental Law (CIEL)

Citizens for Safe Technology Society

Clean Air London

Client Earth

Collaborative on Health and Environment

Ecologistas en Acción

Ecologistes de Catalunya

EMF Safety Network

Environmental Health Trust

European Academy of Environmental Medicine EUROPAEM

European Environmental Bureau (EEB)

European Network of Scientists for Social and Environmental Responsibility (ENSSER)

Faraday Foundation

Fondo para la Defensa de la Salud ambiental (FODESAM)

Foundation PANDORA

Foundation Verum

Fundación Alborada

Fundación para la Salud Geoambiental

Fundación Vivosano

GEA: Asociación de Estudios Geobiológicos

Health and Environment Alliance HEAL

Health Care without Harm (HCWH)

HESE Project

Institut EcoHabitar

Institut für Baubiologie + Ökologie (IBN)

Institut Tecnológico de Lleida (ITL)

Instituto Español de Baubiologie

International Commission for Electromagnetic Safety ICEMS

International Committee on electromagnetic Safety ICES

International EMF Alliance IEMFA

Irish Doctors' Environmental Association (IDEA)

ISTAS. Instituto Sindical de Trabajo, Ambiente y Salud

Juristas contra el ruido

KATALYSE Institut

Kompetenzinitiative

Masts Victims

Next up

One Health Sweden

Robin des Toits

Powerwatch

Radiation Research Trust

Scientists for Global Responsibility (SGR) UK

Strahlenschutzkommission Deutschland

Suomensyh

Swedish Society for Nature Conservation

Teslabel Coordination

TETRA WATCH

Umweltdachverband (representing 36 Austrian organizations)

Umweltinstitut München

WIFI IN SCHOOLS

Wired child

Women in Europe for a Common Future (WECF)

World Association for Cancer Research (WACR)

Annex

1) Council Recommendation of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz) (Official Journal L 199 of 30.7.1999). Guidelines for Limiting Exposure to Time-Varying Electric, Magnetic and Electromagnetic Filed – up to 300 GHz 1998.

2) Communication from the Commission on the precautionary principle COM (2000) 1 final 02.02.2000 COM (2000).

3) WHO-fact-sheet 193 revised 2000.

4) EMF proposed limits for controlling EMF with possible carcinogenic properties are justified based on a) prudent public health planning principles (sufficiency of evidence) rather than conclusive **scientific evidence** (causation or scientific certainty) founded on five facts:

a) The consequences of **doing nothing in the short term may cause irreparable public health harm as the populations potentially at risk are very large.**

b) The **proposed limits have been already established in some areas of the EU** (as in parts of the city of Salzburg and in the city of Feldkirch/Austria and Varades/France) and are compatible with technology (following the ALATA principle: As Low As Technically Achievable).

c) The **exposures are largely involuntary, some populations are exposed 24h/24** for many years in case of mobile-phone-antenna-exposure, and vulnerable populations are mostly unprotected including people that are electrosensitive.

d) The **conclusions of various international scientific resolutions and expressions of concern** including the Vienna, Salzburg, Catania, Freiburger Appeal, Helsinki, Irish Doctors (IDEA), Benevento, Venice, London, Porto Alegre and Seletum Resolutions and Bionitiative Report (1998-2011) and as well as "Late lessons from early warnings vol. 2".,

e) The **existing body of evidence outside the EU:**

e1) **China:** From the total of 383 Chinese papers investigating EMF biological effects in the China National Knowledge Infrastructure (CNKI) databank, it is stated that there were 109 epidemiological studies. 108 of these noted biological effects as a result of exposure. In the epidemiological studies reviewed, 32 were for exposure levels higher than EMF exposure limits for members of the general public in China. The other 77 papers were for exposure levels lower than public exposure limits in China. Details of these exposure limits provided by Chiang (2009) are given below (Table 1).

Table 1: General Public Exposure Limits to RF/microwave radiation in China

Frequency 1st class exposure limits 2nd class exposure limits

0.1-30 MHz	10 V/m	25 V/m
>30-300 MHz	5 V/m	12 V/m
>300-300.000 MHz	10 µW/cm ²	40 µW/cm ²

Source: Chiang (2009).

India: Cell phone technology has grown rapidly in India, and currently there are more than 90 crores cell phone subscribers and nearly 5.0 lakhs cell phone towers. Cell operators are allowed to transmit 20W of power per carrier from individual cell tower antenna. One operator may have 4 to 6 carrier frequencies and there may be 2 to 4 operators on the same roof top or tower. Thus, total transmitted power may be 100 to 400W. From Sep. 1, 2012, India has adopted 1/10 of ICNIRP Guidelines, which implies safe power density of 470 milliWatt/m² for GSM900 and 920 milliWatt/m² for GSM1800 after Inter-Ministerial Committee (IMC) report came out in Jan. 2011, which mentioned several health hazards due to radiation.

Source: Kumar (2013)

Australia: Radiation Protection and Nuclear Safety Agency (ARPANSA) is preparing a standard for low frequency fields up to 3 kilohertz. The draft document includes an increase in the public reference level for magnetic flux density to three times the reference level in the European Recommendation. On the other hand, more attention is paid to precautionary measures such as an obligation to investigate the possibility and cost effectiveness of minimising exposure. The draft standard is still under review. RIVM 118/2011 LSO Sta Page 4 of 13.

Source: "Comparison of international policies – National Institute for Public Health, The Netherlands" – RTVM 118/2011

Russia: The SanPiN 2.1.8/2.2.4.1190-03 safety standard on mobile communications states that in the Russian Federation the maximum permissible exposure for the general public in the 300 MHz to 300 GHz range is 10 µW/cm². It also recommends: "Use of mobile telecommunication devices should be restricted for those under 18 years of age and pregnant women" (SanPiN 2003). The motivation for this is to prevent biological effects that are not seen as health risks in Western countries.

Source: Jamieson (2013)

Switzerland: an Ordinance on Non-ionising Radiation has been in force since 1999. Exposure limits identical to the reference levels in the European Recommendation apply to all areas accessible to the public. A stricter, precautionary limit on magnetic flux density of 1% of the reference level applies to new installations, unless the owner can prove that the phase order has been optimised and all technically possible and economically viable measures to reduce exposure have been taken. For existing installations, the phase order has to be optimised when the precautionary limit on magnetic flux density is exceeded.
Source: "Comparison of international policies – National Institute for Public Health, The Netherlands" – RTVM 118/2011

United States: US FCC Guidelines for 60 GHz Radiation. The FCC Code of Federal Regulations guidelines stipulate that in the 57-64 GHz frequency range emissions "shall not exceed 9 $\mu\text{W}/\text{cm}^2$, as measured 3 meters from the radiating structure, and the peak power density of any emission shall not exceed 18 $\mu\text{W}/\text{cm}^2$, as measured 3 meters from the radiating structure" (FCC 2007).^{*} That value is far more onerous than that presently stipulated by ICNIRP for this frequency range.
Source: Jamieson (2013)

e2) Insurance and Re-insurances companies consider EMFs as emerging risks and exclude, especially due to their asbestos experience in the past, since years and on-going, coverage of EMF-damages in their business liability insurance-contracts.

Source: Swiss Re- insurance- Electrosmog a phantom risk 1996

e3) Mobile phone companies are patenting systems to reduce electrosmog in wireless networks based on the negative demonstrated effects of EMF in human health.

Source: Swisscom patent, World Intellectual property Organisation WO 2004/075583A1

5) EU Transparency & Communication: The Communication Campaigns should ensure transparency of existing data and provide incentives for more data generation. It is vital to provide transparency on what findings already exist, and to encourage manufacturers to provide further data. Outstanding scientific questions should not lead to inaction. The criteria must be applied in individual pieces of EU legislation (e.g. workers, general population) and the United Nations Economic Commission for Europe (UNECE) Convention on Access to Information, Public Participation in Decision-Making and Access to Justice in Environmental Matters adopted on 25 June 1998 must be respected. Examples of public information systems on RF-EMF-exposure can be similar to the one developed by Comune di Venezia and ARPAV – Rapporto annuale CEM <http://www.comune.venezia.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/33125>

6) EU Free EMF places Strategy: The EU must develop and implement a strategy that addresses the complexity of the EMF, to correctly protect its people and its environment. The existing legislation is not able to do this currently. Furthermore, "*the need for insurance protection against EMF has been recognized. Under present conditions, insurers are bound by narrow under-writing limits because the legal systems are still caught up in a gradual process of change with an uncertain outcome, and while the insurance industry has a responsibility in helping shaping this change, it must not allow itself to be misused as a financier for funding this societal process*". (1996 Swiss Reinsurance Company, Christian Brauner D- Freiburg. Br.)

7) <http://assembly.coe.int/Mainf.asp?link=/Documents/AdoptedText/ta11/ERES1815.htm>

From: Andrew Michrowski <paceincnet@gmail.com>

Sent: Sunday, September 15, 2013 6:00 PM

Subject: Re:

Microscopy For Seeing Electromagnetic Field Interactions With Living Systems And Materials

We, in our network, have been able to conduct such/similar microscopy *IN VIVO* up to **140,000X** since the 1970s, but no company wanted to mass-produce such microscopes..

Such microscopy is most helpful in seeing – live – electromagnetic field interactions with living systems and materials, and understanding the causality, as was reported circa 1975 by the late **Dr. Henry K. [Andriha] Puharich**, MD, PhD (Physics), a co-founder of **PACE** – and one of the first to develop micro technology electronics and to conduct & observe live RNA modification with the **Max Planck Institute** – in his report on

how ELF signals affect the morphology of blood and their 'somatides' into fungal structures in real time, at room temperature.

On Sun, Sep 15, 2013 at 8:14 PM, ene selek < @yahoo.com> wrote:

Take a look at this.....unbelievable!!!!

http://www.carnicominate.org/articles/environmental_filament_project.htm

<http://www.carnicominate.org/articles/thenandnow.htm>

From: Andrew Michrowski <paceincnet@gmail.com>

To:

Sent: Thursday, September 19, 2013 9:14 AM

Subject: Fwd: Premier McGUINTY of Ontario considered SMART meter allowance was worst political decision of life - Sept 2010

Premier Mcguinty Of Ontario Considered Smart Meter Allowance Was Worst Political Decision Of His Life – Sept 2010

From: **Andrew Michrowski** <paceincnet@gmail.com>

Date: Wed, Sep 18, 2013 at 3:48 PM

Subject: Premier McGUINTY of Ontario considered SMART meter allowance was worst political decision of life - Sept 2010

To:

From: **Dennis and Sharon** < @shaw.ca>

Date: Tue, Sep 17, 2013 at 8:38 PM

Subject: RE: Article from Toronto Sun – veteran fights Hydro One re SMART meter that interferes with Internet, health

To:

Maria,

An interesting fact to which I often refer is the statement by Premier McGuinty in the Toronto Sun in Sept. 2010 that allowing the implementation of the smart meter program was the worst political decision of his life "a boondoggle." I too thought the vast majority of Ontario had smeters because I have often heard that 80% of the people saw dramatic increases in their rates once the smeters were installed.

We have to conclude, I think, that we cannot trust or believe anything the utility companies tell us. They say these things are safe, that they operate 4-6 times a day, that everyone loves them because they can see how much electricity they're using, etc. If they say anything, question it.

We must work to keep each other informed and form a truly national stop smart meter group. This effort has got more people informed and involved than anything else that I've been involved with. People now have a transmitter on their homes. Let's use this.

Sharon

From: Refuse [mailto: @videotron.ca]

Sent: September 17, 2013 2:29 PM

To: 'Andrew Michrowski'

Cc:

Subject: RE: Article from Toronto Sun – veteran fights Hydro One re SMART meter that interferes with Internet, health

Thank you Andrew. I know of C4ST but they are not representing actively Ontario; they are a panCanadian organisation that excludes Quebec because they have no translators or anyone in Quebec ready and willing to give a few hours a week to do so. They are doing a great job in English for Canadians in all aspects of wireless technology. They are just not known in Quebec because of the language barrier.

My question still is: Why are there official websites that insinuate that Ontario has total coverage of smart meters since 2010, when not all localities have a smart meter and yet NOT a SINGLE group in ON is as active as the groups in Quebec or BC?

For eight months I have been saying and hearing that Ontario is fully equipped with smart meters since 2010 and today I learn that it is not so. For what I see in the Ontario group it seems to be one person and one person against millions brings no results. In BC 80 000 refused the smart meters; Sharon and her husband have been doing a Titanic effort and have managed to get many citizens involved. In Quebec we hope to be thousands to refuse but so far I doubt we ever reach 10 000.

We have the governments that we deserve and the smart meters that we allow to install. Just very disappointed to learn that in Ontario the installation is not finished. HQ uses ON as an example that “they all have a smart meter for 3 years now and no one is complaining, the refuse groups of Quebec are just not well informed.” So, yeah, I am pissed to learn that is not the case and that our neighbors are not active at all...and that HQ is right, we are not well informed!

Maria

De : Andrew Michrowski [mailto:paceincnet@gmail.com]

Envoyé : 17 septembre 2013 13:05

À : Basses-Laurentides Refuse

Cc :

Objet : Re: Article from Toronto Sun – veteran fights Hydro One re SMART meter that interferes with Internet, health

There is also c4st, with whom we are linking you, frank@ .org.

Actually, the numerous "refusons" groups should consider consolidate / joining forces with their colleagues across Canada.

Best regards, Maria

On Tue, Sep 17, 2013 at 12:46 PM, Refuse < @videotron.ca> wrote:

In other words, not all of the province has the smart meters and HQ lies when affirming such a thing.

When we are told ‘the majority’ of meters are smart in Ontario, they mean 51%?

<http://www.ey.com/GL/en/Industries/Power---Utilities/Seeing-energy-differently---Geographical-differences---Canada--tackling-geographical-challenges-with-smart>

How come we do not hear of stop smart meters groups? There is one but not very active.

Ontario Smart Meter Awarene weepinitiative.org
stoptheSmartmeter.com (no longer active) TorontoAgainstSmartMeters.weebly.com

Maria

De : Andrew Michrowski [mailto:paceincnet@gmail.com]

Envoyé : 17 septembre 2013 09:45

À : Basses-Laurentides Refuse

Objet : Re: Article from Toronto Sun - veteran fights Hydro One re SMART meter that interferes with Internet, health

They have in the process of being installed, one by one. In our Ottawa building, for about 2 years ago; elsewhere about 3 years ago, near Ottawa, a few months ago, just like in Quebec: one by one.

On Tue, Sep 17, 2013 at 12:36 AM, Basses-Laurentides Refuse < @ .ca> wrote:

Hi Andrew,

I was under the impression that Ontario had smart meters since 2010. The article mentions that 1,4 million smart meters will be installed, as if it was something new: *“Around 1.4 million wireless meters have been placed on homes and apartments throughout the province.”*

Who is telling the truth?

Maria

De : Andrew Michrowski [mailto:paceincnet@gmail.com]

Envoyé : 16 septembre 2013 23:10

Objet : Fwd: Article from Toronto Sun – veteran fights Hydro One re SMART meter that interferes with Internet, health

From:

Date: Mon, Sep 16, 2013 at 9:07 PM

Subject: Article from Toronto Sun for your interest

To: paceincnet@gmail.com

FYI;

<http://www.torontosun.com/2013/09/15/veteran-battles-hydro-one-over-meter>

From: Andrew Michrowski <paceincnet@gmail.com>

To:

Sent: Wednesday, October 30, 2013 9:34 AM

Subject: Re: Fw: Cell Phones and Child Brains: 'Casualty Catastrophe'

Cell Phones and Child Brains: 'Casualty Catastrophe'

We have submitted our Statement to the *Royal Society of Canada's Expert Panel reviewing Safety Code 6* on October 28th, which contained excerpts of data collected between Southwestern Ontario and Southern Quebec since 2005, as well as information about suburbs and even housing, also how SMART meters are increasing their emission levels from same installations, phenomenally. The Panel requested us to furnish further data details, which we are preparing for it.

We have also expressed a need to develop a "regulatory framework that includes all aspects to the spectrum encompassed under the current code" being reviewed, and that it follow the *Aarhus Convention*, of which Canada is part of, and which encourages operators to inform the public regularly of the impact of their activities and products.

We have also expressed a need for an independent secretariat mechanism for the interdisciplinary determination of the health consequences on the general population of these wireless technologies and for a major investigation to be carried out into the biological effects on human, animal and plant organisms.

We encourage solutions based on dialogue and negotiations involving UN agencies like **World Health Organisation**, the **International Labour Organisation**, as well as the **Food and Agriculture Organisation** and other UN agencies, governments, industry stakeholders, NGOs, consumer and residents associations.

We stated that industry stakeholders can already influence certain factors – for example distance between a given site and transmitters, direction of transmitting antenna in relation to living environments to better protect people and antenna.

We are pleased with the posture of the *C4ST*, headed by **Frank Clegg** on these issues.

Dr. Andrew Michrowski
President
The **Planetary Association for Clean Energy, Inc.**
100 Bronson Avenue, Suite 1001
Ottawa, Ontario K1R 6G8
(613) 236-6265

In special consultation status with the Economic and Social Council of the United Nations (ECOSOC)
New York / Geneva / Vienna

- - -

Regarding a simple method of measuring wireless technology, especially devices for their full spectrum of emissions – including from emerging devices, applications and installations expected well into 2020, is the Canadian design and manufacture, next-generation, small, simple-to-use, and affordable *ESSENTIA EM2* detector for less than \$150 (call **Essentia: 888 639-7730**). This way you can check with this unit anything from ultrasound, radio, microwaves, radars and some microsondes that fall under the *Safety Code 6* purview.

On Wed, Oct 30, 2013 at 2:23 AM, < @rogers.com> wrote:

Pls note that the ex president of Microsoft Frank Clegg is trying really hard to bring in some safety regulations to Canada. Let us hope he is successful.

See below.

Shamim

From: Eva < @gmail.com>
To: @rogers.com
Sent: Monday, October 28, 2013 10:15:57 PM
Subject: FW: Cell Phones and Child Brains: 'Casualty Catastrophe'
To be taken seriously....or not? Eva

* **Generosity Love Optimism GLO Create a Better World** *

From: Forbidden Knowledge TV [mailto:newsletter@forbiddenknowledgetv.ccsend.com] **On Behalf Of** Forbidden Knowledge TV
Sent: Monday, October 28, 2013 8:03 PM
To: @gmail.com
Subject: Cell Phones and Child Brains: 'Casualty Catastrophe'

Dear Eva,

This short clip will forever the way you look at your cell phone, ever again.

A scientific paper bravely published by a leading radiation biologist, Prof. Dariusz Leszczynski now allows top neurologists, like Keith Black, MD of Los Angeles' Cedars-Sinai Hospital to issue warnings to their patients about the dangers of cellphone use, which he describes as "Cooking the brain". The cell phone industry retaliated against Leszczynski by lobbying to have his funding stopped and in the meantime, insurance companies have also stopped coverage for health damages related to cell phone use.

In 2011, San Francisco, CA passed a law, which originally required retailers of cell phones to display the amount of radiation that was emitted by each unit. Lobbyists successfully had the law revised to simply inform people on ways to diminish their exposure to cell phone radiation.

Ellie Marks' husband had a golfball-sized tumor in his brain, next to where he regularly used his cellphone. It was removed and he subsequently suffered severe memory loss. She says that over 20 cities and states tried to pass similar legislation to that of San Francisco – and all were threatened with lawsuits from the cell phone industry.

Brent Bocoock, a former US Olympic Champion Crew Team Member had a portion of his brain removed, right next to where he used to always place his cellphone. That particular portion of the brain is responsible for motor control and his surgery has left him almost completely disabled, physically.

He says he is spearheading a class action lawsuit against the industry because he believes that this is the only way that big business can be made to take responsibility for itself, as was the case with the tobacco industry.

He notes that cell phone use is much more dangerous for children because their skulls are a lot thinner. Brain tumors associated with cell phone use has replaced leukemia as the number one child-killer.

Truthseeker host, Daniel Bushell uses a radiation detector to measure the amount of radiation emanating from commonly-used household items:

- *Microwave oven: 800 microvolts
- *WiFi Router: 800 microvolts
- *Tablet PC: 2,000 microvolts (watching a movie).
- *Smartphone: 40,000 microvolts (Samsung S3).

This is over a thousand times the normal background radiation levels of 30 microvolts.

The use of cellphones and other wireless technologies is being called the next 'casualty catastrophe,' after tobacco and asbestos. iPhones now all contain a legal disclaimer page with fine print, which cannot be enlarged and which is relatively difficult to locate within the phone's navigation. It discloses the dangers of radiation exposure from cellphones and advises users to keep the device at least 10 mm from the body.

At the same time, a wireless lobbying group called the CTIA assures us that "Radio waves from cellphones are safe" and studies paid for by the cellphone industry claim that, "Cellphone use causes no biological damage."

However, independent studies consistently report serious health effects, ranging from DNA damage, a 300% reduction in sperm counts, 290% more brain tumors, autism and birth defects.

Former Senior White House Advisor, Epidemiologist, Dr. Devra Davis testified to the Senate and gives a hair-raising report here about the back-stories behind these contradictory scientific reports: The independent scientists who reported on the ill effects of cell phones found themselves under attack by the cellphone industry, who would attempt to get them fired and to get their funding taken away or else accuse them of fraud.

When that didn't work, they hired inexperienced scientists who didn't know anything about the subject to *look* like they were replicating the incriminating experiments and when all of the above didn't work, they wrote an internal memo, in which they stated, "We war-gamed the science."

Journalist Anthony Gucciardi proved how easy it is for industry to plant fake science in respectable science publications, in the very similar case involving the drug Prozac, which was proven in the 1980s to increase the incidence of suicide among users and to cause violent behavior – but this was hidden from the public until 2005, until there was a BBC expose. In response, the manufacturers hired their own scientists to prove how "great" Prozac was.

Producers of anti-depressants have since been mandated to disclose these drugs' side effects, which one may read in their accompanying manuals or overhear, in the blindingly-fast and unintelligible disclosure statements that run during television advertisements for these products. Remember, virtually all the mass-murdering shooters in these recent attacks were taking this drug or else one of many similar fluoride-based, Selective Serotonin Reuptake Inhibitors (SSRI), at the time that they massacred people by the dozens. Gucciardi says he believes that once the public becomes aware of these dangerous side effects, the public outcry will be worse than it was for cigarettes.

Dr. Louis Slesin, editor of Microwave News since 1981 says, "The system is broken, nobody has been told the truth. It's crazy."

The science which would eventually prove that cigarettes and secondhand smoke damaged human health did not yet exist when tobacco was initially marketed – but cellphones were launched after preliminary science was already available as to its inherent dangers and these products were released into the public without any safety studies, whatsoever.

Dr. Slesin says, "The point is to take action." Action is already being taken outside the US: In Italy, a landmark supreme court ruling found a "causal link" between cell phone use and brain tumors. In France, Wi-Fi is being taken down in schools and replaced with cabled Internet in and countries from Germany to Israel and Finland are moving to stop cell phone sales to kids. In the UK, children under the age of 18, have long been barred from cell phone use.

But of course, in the Good Ol' USA, the former chief lobbyist for the wireless industry, Thomas Wheeler was recently appointed by President Barack Obama to head up the Federal Communications Commission (FCC), which regulates the safety of wireless devices, in yet another astonishing conflict-of-interest in the choice of appointed Federal Regulators, who better resemble wolves guarding the sheep, rather than advocates for the health of the public at-large.

Video (about 10 mins):

<http://forbiddenknowledgetv.net/cellphones-and-child-brains-casualty-catastrophe-24990>
Cell Phones and Child Brains: 'Casualty Catastrophe'

- Alexandra

P.S.

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That's how we grow. Thanks.

Alexandra Bruce

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From: PACE Geneva <pace4geneva@gmail.com>
To: Andrew Michrowski <paceincnet@gmail.com>
Cc:
Sent: Tuesday, December 10, 2013 10:35 AM
Subject: Re: Germany rejects smart meters because of economics

Germany Rejects Smart Meters Because Of Economics

Dear Andrew,

There is also such a thing as 'saving face' and give the energy companies a reason that is acceptable to them. Economic reasons are obviously acceptable during these difficult times.

It also gives the government more time as more research is emerging.

It is good news for the health of consumers, so we should rejoice none-the-less!!

Happy year's end to all,

Vita

10 Dec 2013, at 19:20, Andrew Michrowski wrote:
Economy is viewed more important than well-being..

From: Maria <@videotron.ca>
Date: Mon, Dec 9, 2013 at 6:41 PM
Subject: Germany rejects smart meters because of economics
To:

<http://www.examiner.com/article/germany-rejects-smart-meters-based-on-economics>

Maria

Vita de Waal
International Affairs and Human Rights
Main Representative to the United Nations
Planetary Association for Clean Energy, Canada
<http://pacenet.homestead.com/>

From: Andrew Michrowski <paceincnet@gmail.com>
To:
Cc:
Sent: Monday, April 7, 2014 11:11 AM
Subject: Re: Information regarding detection of radio and other signals in brainwaves

Information Regarding Detection Of Radio And Other Signals In Brainwaves

This is a very tricking test situation. When the first 2 Hz signals were consider pre-introduction of the cell phones, **IEEE** experts argued (violently, even) for more than two years, and held probably a dozen gatherings, mostly in Washington DC, as to whether the cell phone entrained the human heart rate or not! Eventually it was proven that yes the cell-phones do affect and change the heart rates of users – but this was not made known to the public, and was not considered an impediment to their world-wide start of implementation circa 1999 - 2001. As you know, this has become a cause of mortality on its own (see the Swedish statistics graph, the last item on the bottom right, page 3, indicated by Dr. **Olle Johansson** of Karolinska Institut, Stockholm.)

The **LIDA** and like devices (developed by Dr. **Robert Beck**) can be more readily distinguished with our device because the probes are directional and can sense the various vectors at play. Dr. **Elizabeth Rauscher** can help you with this and probably demonstrate with ease how each transmission can be discerned, even when emitted by the living system, up to the limits of the monitoring protocol and probing device.

The woodpecker was a worldwide phenomenon – and we identified it as a Tesla technology partially due to the fact that the antipode (in the Indian Ocean) notably increased the actual power density, as was the case of some of the wireless emissions at Colorado Springs circa July 1899 that **Nikola Tesla** conducted and described in his scientific notes.

As you may know, the Soviet embassy in Ottawa was greatly alarmed by our understanding of their signals – which alerted the Royal Canadian Mounted Police to identify the largest contingent of persona non grata (spies) ever expelled by any country up to then – and the **Canadian Minister of Defence** to become totally bald over one night, several hours before his public news conference declaration of their renvoi!

Your interest in this still very important subject is truly appreciated.

Andrew Michrowski

On Sun, Apr 6, 2014 at 2:12 PM, Krupali < @gmail.com> wrote:

Thank you so much for your insight, valuable information and guidance on this issue. And I must say, your and your colleagues' works on this are very remarkable. After reading about this more as recommended, I was curious, would you happen to know if the PACE's instrument or SQUID would be able to record and differentiate between signals coming from a brain versus signals similar to that of a brain coming from say, a machine such as LIDA, that Dr. Ross Adey had found?

The reason I also feel it is important to delve into this topic, and also for investigators, is that, there are hundreds of testimonies written by people who claim there are technologies like this being used on/around them, and I feel it's imperative to investigate to see if there are much more obscure signals coming, similar to that of the woodpecker one, in a slightly different form today. It was after many years that the FCC finally investigated this more thoroughly, even though pioneers like yourself had caught it early on. There was even a survey that that said the Radio Moscow was suffering just as badly by the woodpecker signal to prevent people from knowing it was coming from Russia. So I feel it may be important to look into these things and bring forward investigative evidence so that the authorities can look into potentially harmful happenings, such as the woodpecker signals.

And I definitely like how PACE is working in innovative ways to save our environment and its admirable goal. It's a great organization.

Thank you, again, for your help!
Krupali

On Sat, Apr 5, 2014 at 9:15 PM, Andrew Michrowski <paceincnet@gmail.com> wrote:

Good afternoon, Krupali Desai,

In those days - circa 1975, we, as an independent network of scientists, had to build our own detectors, with sensors that had many kilometers of wiring, whether for studies on individuals (using probes for brain waves) or environmental pick up of transmissions from the former Soviet Union or from various US military installations. Then, we had to working in tandem with other observers around the globe – before the Internet existed, which is why one of our scientists, Dr. **Jacques Vallé** developed what became the Internet – based on his *Planète* software/hardware telephone system!

Additionally, for a period of several months, we were privileged to obtain co-ordinated monitoring of Canadian ten civilian RF/microwave (formerly the Department of **Communications Canada**, with the blessing by the Minister who became **Governor General of Canada, Jeanne Sauvé**) listening observation posts from coast-to-coast in order to triangulate the various RF/microwave transmitters outside of Canada to act as a single reception. The answers were reported in various reports issued by our Ottawa Secretariat, and which were forwarded to high-level officials of several nations and to interested members of the Canadian Senate (we were founded by the Hon Senator **Chesley W. Carter**, M.Sc. who was then chair of the Senate science and health committees, and who facilitated such analyses and their distribution to policymakers).

Today, it is easier to obtain detectors in the marketplace and to conduct spectrum analyses, and we are suggesting for such research (for individual brain wave scanning / environmental research Prof. Dr. **Elizabeth Rauscher, Electromagnetic Signal Laboratories**, Arizona, formerly with UC Berkeley - 480 982-2285) one of the few surviving experts of our early work in this domain, in the mid-70s. We conclusively (at least for the global intelligence community) proved that signals below the 1 microWatt/cm² could entrain in the human brain magnetics for the same waveform and frequency. How consistent the brain wave entrainment depends in part to biological factors of the individual, their state of their immunity, etc. Later on some of our colleagues were able to better understand sophistication of the Soviet emissions for their longitudinal wave components (associated with **Nikola Tesla**'s technology, much of which is still unavailable to the world's population) which also impact aspects of biological coupling phenomena, some of which address exciting potential for therapeutic delivery systems.

You may not know it: the **BBC** programme that you referring to, was a **NOVA** series production and it won the "best documentary of the year" in the UK that year, but was not released by PBS within the US for airing. In the documentary, you can view the special ELF high-resolution monitoring instruments that we used out of Ottawa, alongside instruments that were shared to us by the Canadian Crown Corporation's **Anik satellite** facility in Ottawa expressly for not only the purview of BBC but also for invited scientific & military attachés of the diplomatic corps in Ottawa. Our BBC interview instrument, we later found out, was more reliable and

effective than the SQUID used by the **National Security Agency** in the US to monitor such global environmental events (and their biological coupling).

Our collaborative network has published extensively in the 1970s and 1980s on this research and we can facilitate in the archival aspects of the experiments, records and replication exercises that involved numerous scientists worldwide. An excellent start is to dig in the easy-to-access, excellent, peer-reviewed work of the late Dr. **W. Ross Adey** – Veteran Affairs Administration, Loma Linda, California (which eventually incorporated like Russian / Eastern European research) and which was regularly subsidized by US Naval Research funding for many years. Similarly, the widely published (including by us) work Prof. Dr. **Mark A. Persinger** of **Laurentian University**, Sudbury, Ontario, often on the aspects of motor-perception activity associations with extremely weak ELF (actual/pulse RF-microwave) emissions.

To help your understanding the origin and aims of our network, you will find attached our flyer. Some answers to your query are in the back issues of our Newsletter.

We hope that this communication may guide you through this critical but generally unknown and certainly not currently & publicly transparent manifested know-how and sophisticated technology which is in the hands of the wireless industry's interests.

Andrew Michrowski
The Planetary Association for Clean Energy, Inc.
Ottawa, Canada

in special consultation status with the Economic and Social Council of the United Nations
New York / Geneva / Vienna

On Sat, Apr 5, 2014 at 4:52 PM, Krupali < @gmail.com> wrote:

Hello,

It was great talking with you on the phone briefly even though it was difficult to hear. I hope you are doing well. I came across a BBC interview in 1982 on "The Mysterious Mr. Tesla" that the organization shares valuable insights on, which are how some radio frequency signals can affect the brain in things like moods and behavior. And I know that now there has been more advancements in this field. I would like to see if there is more information on signals that can affect these things, and potentially read thoughts or image transfer etc.

My question was also about detection of these weak magnetic fields and low frequency pulses between 0 and 100 pulses per second and if there is a way to detect them. And has there been research on devices that can detect RF signals and magnetic fields that can read or affect the brain. If you can guide me as to who would know about these fields of research and what I can read or if you have any answers to my queries, that would be very appreciated.

Thank you!
Krupali

--
Krupali Desai
Event and Customer Account Manager | *Search for the Hidden Clover* children's books
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@gmail.com
Search for a Clover, Discover the World!

From: Andrew Michrowski <paceincnet@gmail.com>
To: Dennis and Sharon < @shaw.ca>
Sent: Thursday, February 20, 2014 10:38 AM
Subject: IMPORTANT - Re: wireless tower Industry deaths draws OSHA attention

Wireless Tower Industry Deaths Draws OSHA's Attention

Thank you, Dennis and Sharon, for this information and query.

No, we do not have contact(s) with OSHA. I recall listening to such workers in Ohio, who were absolutely terrified with this installation work, having witnessed not only death but also very serious injuries to their colleagues!

Can anyone help in this regard? So that we make investigators examine also advanced corrosion caused by near-field microwave electron stripping of surfaces and check for the phenomenon during evaluations, maintenance and monitoring of structures?

Andrew Michrowski
On Thu, Feb 20, 2014 at 12:08 PM, Dennis and Sharon < @shaw.ca> wrote:

Dear Andrew,

I hope you are in communication with someone at OSHA about accelerated corrosion. It sounds as if your warnings about the problems went unheeded and the workers are paying the price.

Best-
Sharon

Four Deaths in Five Weeks, Cell Tower Industry Gets OSHA's Attention

WASHINGTON -- As a result of three deaths in two days, OSHA is collaborating with the National Association of Tower Erectors and other industry stakeholders to ensure that every communication tower employer understands their responsibility to protect workers performing this high-hazard work.

On January 31, a maintenance worker fell to his death from a cell tower in Cameron County, Texas. The next day, a cell phone tower collapsed in Clarksburg, W.Va. Minutes later a second tower at the same Clarksburg site also fell. The collapse of these two towers resulted in the deaths of two workers and a firefighter responding to the scene, and sent two other employees to the hospital with serious injuries.

“Tower worker deaths cannot be the price we pay for increased wireless communication,” said David Michaels Ph.D., assistant secretary of labor for occupational safety and health. “Employers and cell tower owners and operators must do everything possible to stop these senseless, preventable tragedies.”

OSHA is concerned about the alarming increase in preventable injuries and fatalities at communication tower worksites. In 2013, 13 fatalities occurred in this industry, more than in the previous two years combined. This disturbing trend appears to be continuing, with four worker deaths occurring in the first five weeks of 2014.

In an effort to prevent these tragic incidents, OSHA is increasing its focus on tower safety. Last week, the agency sent a letter to communication tower employers urging compliance and strict adherence to safety standards and common sense practices.

OSHA also has created a new Web page targeting the issues surrounding communication tower work, which is available at www.osha.gov/doc/topics/communicationtower/index.html.

This outreach follows a November 2013 memo to OSHA's compliance officers and regional administrators mandating increased attention, education and data collection on the industry.

Of the 13 communication tower-related fatalities that occurred in 2013, the majority were a result of falls.

OSHA requires employers to provide adequate fall protection equipment, train employees how to use the safety equipment and ensure that they use it properly and consistently.

In the past few months, tower workers have also been injured or killed by falling objects, the structural collapse of towers and equipment failures. For example, OSHA issued citations in December 2013 to Custom Tower LLC of Scott, LA., for one willful violation following the death of a worker who fell approximately 125 feet.

From: Andrew Michrowski <paceincnet@gmail.com>

To:

Sent: Thursday, May 29, 2014 5:10 PM

Subject: BEWARE OF COMPACTS & LUMINESCENT TUBES - Fw: Skin cancer and microwaves - le cancer de la peau accéléré par les micro-ondes

BEWARE OF COMPACTS & LUMINESCENT TUBES - Fw: Skin cancer and microwaves

Also: The VLF, RF + from compact & *luminescent tubes that operate with new ballasts* - which can be much higher (***over one hundred times more***) than the **Health Canada Safety Code 6 - REAL THERMAL EFFECT** - standard. See the observation with these lights as observed by Dr. Stoyan Sarg, **York University** with the **ESSENTIA EM2 meter** as indicated on page 2 of the **ESSENTIA EM2** document!

From: André Fauteux

To: André Fauteux

Sent: Wednesday, May 28, 2014 11:29 AM

Subject: le cancer de la peau accéléré par les micro-ondes

Le cancer de la peau n'est pas qu'une affaire de coup de soleil:

http://www.teslabel.be/archives/malignant_melanome_fr230804.pdf

Long-Term Exposure to Microwave Radiation Provokes Cancer Growth; Evidences From Radars And Mobile Communication Systems

<http://exp-oncology.com.ua/article/1845/long-term-exposure-to-microwave-radiation-provokes-cancer-growth-evidences-from-radars-and-mobile-communication-systems>

Accelerated development of spontaneous and benzopyrene-induced skin cancer in mice exposed to 2450-MHz microwave radiation

<http://onlinelibrary.wiley.com/doi/10.1002/bem.2250030202/abstract>

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André Fauteux, éditeur

Magazine La Maison du 21e siècle

Tél./Télec. : 450 228-1555

info@maisonsaine.ca

Numéro d'essai gratuit :
<https://maisonsaine.ca/>
www.facebook.com/maisonsaine

Essentia™ Wide-Range Electromagnetic Monitor *EM2*

(The following paragraphs and figures were copied from Andrew Michrowski's introduction to the **Essentia™** Wide-Range Electromagnetic Monitor *EM2*.)

The **Essentia™** Wide-Range Electromagnetic Monitor *EM2* was designed to bridge the gap between inexpensive monitors with limited response and expensive full spectrum units. It has a small, sensitive circuit capable of detecting the electric field component spectrum from below 50Hz to beyond 10GHz microwaves and converts it into a visually-displayed signal.

The *EM2* may be used to measure the level of radiation from all household appliances and wiring as well as most cell, radio, television and microwave transmitters.

Radiation monitored

Extremely Low Frequency (**ELF**) AC fields, such as from power generation, including **Sonics**, and Very Low Frequency (**VLF**), including **Ultrasound**, drop off rapidly away from the source following the inverse square of the distance. This is not the case with **Radio waves** that decrease quasi-linearly with distance. Cell, tablet, pod transmissions and **Microwaves** also fall off somewhat linearly but may be directed to keep their intensity over large distances. In practice the fields around electromagnetic sources are much more complex due to the landscape, atmospheric conditions and antenna geometries. Proximity to the ground, being inside structures with significant amounts of metal are factors which can also change field strength.

Indoor measurements

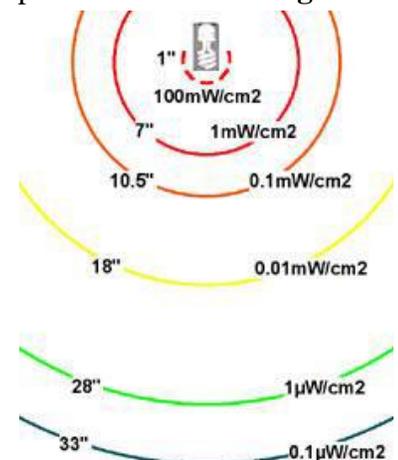
Indoor **AC electrical wires** surround the occupants with a quite uniform ELF electromagnetic field. **AC voltage** in relation to ground may be at a very high level inside a house (180V peak) but variations in the field will be much smaller. These variations are perhaps a few volts and will result in readings of about $0.1\mu\text{W}/\text{cm}^2$. Actual electromagnetic power density between head and foot for a human might actually be over $1\text{mW}/\text{cm}^2$.

Some **appliances and electrical fixtures** tend to produce large amounts of electromagnetic radiation. The worst offenders are usually microwave ovens, compact fluorescent light bulbs, televisions, shavers, and fans.

Wireless phones have low output but their frequency of operation is typically in the most dangerous region of the electromagnetic spectrum. Cell phones and **SMART** meters are especially hazardous since the **microwave radiation** they emit is close to body /user's head. **Digital** phones have less average power than the **Analog** types. Exposure is **cumulative**. In "waiting" mode radiation levels are lower on average.

Compact fluorescent bulbs have a noisy high voltage, high frequency circuit inside to trigger and maintain their glow. As the operating frequency of these bulbs is below the AM radio band, there are no restrictions on the electromagnetic radiation that they generate; manufacturers strive to make the lowest cost bulbs using unshielded circuits that generate very high field levels. An example of a compact fluorescent bulb is shown to the right. The field strength within one inch of the bulb is an incredible $100\text{mW}/\text{cm}^2$.

Luminescent tubes working with new ballasts operate in kHz (VLF – radio) range, with their tube plasma emitting (radio) MHz range strong scalar, high-penetration capability elevated broad band EM radiation when striking matter



(gas, liquid, solid object, human tissue, especially the brain) – 1 milli W/cm² at one meter distance (1,000 micro Watt/cm²) – above the *Canada Safety Code 6*.

Such new lights are often provided by utilities for free in order to save energy.

The mechanism for the effect is described as HRM effect (a *Heterodyne Resonance Mechanism*) and involves longitudinal waves, and are picked up by the **Essentia™ EM2** meter. Such waves are powerful enough to break and re-arrange weak hydrogen bonds, liable to cause mutation, somewhat like radioactivity (**ionizing radiation**)

–
(Communication from Dr. Stoyan Sarg, York University).

Televisions and computer monitors are being superseded by LCD technology but consumers still use cathode ray tube (CRT) devices that contain a high voltage power supply and electron gun that beam electromagnetic radiation and X-rays. A 27" TV has a high emission at 12 to 15" from the screen. Safe watching distance is beyond 43".

Outdoor measurements

Cities have become a **network of microwave generators** on towers – on apartment buildings, transmission lines towers and on hand. Add to this the myriad of **emergency and safety transmitters, TV and radio broadcast towers, airport navigational and communication systems, amateur radio operators and military communications**. To make matters worse, each cell network provider has their own network, multiplying the exposure by the number of providers. Especially around major highways and urban cores, **radiation levels can be dangerously high**. **Rural routes** are near **cell and SMART** meter network towers. Electromagnetic radiation from **FM radio stations, aircraft and police communications** and **TV stations** are the most dangerous due to their resonance with the human body (30 and 300 MHz). Radio and TV towers are often located on top of tall buildings, on fixed towers or phased array tower farms and because of their power (often **tens of thousands of watts**) and long range care must be taken in their presence.

The Toronto CN Tower is an example of a multi-use tower with broadcast and communications of many types. Microwave transmitters exist hidden by an air inflated Radom below the deck. The radiation pattern around CN Tower affects the highway that is about 20 feet (7m) above ground, along which **EM2** readings are *10 times higher than at ground level*.

Wireless devices transmit 0.1 to 1 watt depending on service. **Cell towers** are typically limited to 500 watts of effective radiated power (ERP) per channel for large towers and less than 100 watts for smaller towers in urban areas. *Micro* and *pico* installations on building sides or between floors may have ERPs of less than 10 watts per channel. A typical tower can have 63 channels with an effective power of 6.3kW. Figures reported from government claim emissions at the base of cell towers are very low, perhaps 1µW/cm². (See “Information On Human Exposure To Radiofrequency Fields From Cellular and PCS Radio Transmitters.” FCC website www.fcc.gov/oet/rfsafety/cellpcs.html) Though true, it may be somewhat misleading, since the transmitters are directional and aimed so that their maximum power density will hit ground at some distance from the tower, usually several hundred meters away from base. To understand radiation around a tower, readings are taken at several distances and at different heights.

High voltage AC transmission lines are usually strung on towers at various levels above the ground. Due the high voltage, the ELF (extremely low frequencies) electromagnetic field around these structures is intense. The figure to the right shows a segment of a transmission line containing two parallel sets of lines. The red lines are directly below the high tension wires. The radiation from AC
Hazards of Toxic Cell Phones, Wireless Devices, Etc – Book One 57



August 17, 2016

power drops off very rapidly as you move away from the lines but levels off at 0.01mW/cm² over highway 407 and the adjacent residential neighborhood. The green line, indicating a level of 1μW/cm² begins at 1.5km from the power lines.

The best advice is to be aware of the sources of radiation, and the **Essentia™ EM2** meter can help monitor the overall impact of man-made electromagnetic fields, whose non-thermal effects, whether non-wave, or wave, accelerating or inhibiting are shown from the 1972 National Research of Canada flow chart.

Essentia™ Electromagnetic Monitor *Model: EM2*

Specifications:

Frequency response: 50Hz to 10GHz with decreased response up to 18GHz

Sensitivity range: 0.005μW/cm² to 40mW/cm²

Accuracy: +/- 10% 50Hz to 10GHz

Battery life: 9V Duracell, approx 50 hours

Temperature range: 0 – 40°C, 32 – 100°F

Mode of detection: Electric Field

Made in Canada

From: Andrew Michrowski <paceincnet@gmail.com>

To:

Sent: Friday, June 13, 2014 10:56 AM

Subject: Fwd: Une image vaut mille mots

Exposure To Cellphones Visibly Affects The Pressure Facial Blood Arteries

From: **André Fauteux** < @maisonsaine.ca>

Date: 2014-06-13 9:21 GMT-04:00

Subject: Une image vaut mille mots

To: André Fauteux <info@maisonsaine.ca>



From: Andrew Michrowski <paceincnet@gmail.com>

To: Linda < @sympatico.ca>

Cc:

Sent: Tuesday, July 8, 2014 7:30 PM

Subject: Re: article about emf from NY times for interest

Article About EMF From NY Times For Interest

Thank you, Linda.

Andrew Michrowski

On Tue, Jul 8, 2014 at 10:01 PM, Linda < @sympatico.ca> wrote:
http://www.nytimes.com/2014/07/08/science/debate-continues-on-hazards-of-electromagnetic-waves.html?smid=tw-nytimesscience&_r=0

Debate Continues on Hazards of Electromagnetic Waves

Time Travel

By KENNETH CHANG JULY 7, 2014

This occasional column explores topics covered in Science Times 25 years ago to see what has changed — and what has not.

Everywhere in the modern world, the throb of alternating current generates electromagnetic waves — from the television, the blender, the light bulbs, the wires in the wall.

Because the oscillations are very slow (just 60 hertz, or cycles per second), this type of radiation is called ‘extremely low-frequency’. It was long thought harmless because it is too weak to knock out electrons and directly damage molecules in the body.

But on July 11, 1989, Science Times reported the uncomfortable possibility that this ubiquitous background radiation might cause cancer.

An epidemiological study comparing children in Denver who died of cancer from 1950 to 1973 with a control group of other children found that those who lived near electrical distribution lines were twice as likely to develop the disease as those who did not. A subsequent study, by other scientists who sought to eliminate what were seen as flaws in the first study had nearly identical conclusions.

Laboratory experiments provided more reasons for concern. Electromagnetic radiation, particularly the magnetic part of it, changed some functioning in cells and altered the action of neurotransmitters. Pulses of 60-hertz radiation increased the number of abnormal embryos in chicken eggs.

The article quoted Dr. David O. Carpenter, then the dean of the School of Public Health at the State University of New York at Albany: “The whole thing is very worrisome. We see the tips of the iceberg, but we have no idea how big the iceberg is. It ought to concern us all.”

25 YEARS LATER Dr. Carpenter is still at the same university, as the director of the Institute for Health and the Environment. He still finds 60-hertz radiation worrisome.

“Almost nothing has changed in 25 years in terms of the controversy, although the evidence for biological effects of electromagnetic fields continues to grow stronger,” he wrote via email last week.

In reviewing the research, the World Health Organization has categorized extremely low-frequency waves as “possibly carcinogenic”: There appears to be an increase in leukemia rates with long-term exposure to magnetic fields stronger than 0.4 microtesla. The earth’s magnetic field is about 100 times stronger, but it is not oscillating, a crucial distinction. (Concerns about other childhood cancers have largely abated.)

But only a small fraction of people are exposed to extremely low-frequency waves that strong. “It’s not a very normal type of exposure,” said Emilie van Deventer, the leader of a W.H.O. project to assess the health effects of electromagnetic fields.

One reason for the continuing uncertainty is that scientists have yet to explain how such waves could lead to cancer. Leukemia is a relatively rare disease, striking fewer than one in 5,000 children in the United States; its causes are hard to study, and even if a link were established, any effort to shield the world from low-frequency radiation would at best prevent a small number of cancers.

“In terms of a public health perspective and in terms of what one would think of suggesting in terms of regulations, you can see that the risk-benefit ratio would be quite unbalanced,” Dr. van Deventer said. “And this is if we were able to show causality.”

In recent years, concerns have migrated to frequencies that oscillate not 60 times a second but millions to billions of times — those used by cellphones, cordless phones and wireless networks. Dr. Carpenter, for example, would like to keep Wi-Fi out of schools, even though there is no direct evidence of harm as of yet and it broadcasts at lower energy levels than cellphones; the W.H.O. calls the radio frequencies used by cellphones, Wi-Fi and other telecommunication devices also “possibly carcinogenic.”

“Which is a little bit difficult to explain to the public,” Dr. van Deventer said. “People like to have a black-and-white answer.

“Looking at trends over the last 20, 30 years, we don’t see an increase” in cancer, she said. “But again, we don’t know. If it takes cancer 10 years to promote, maybe we will see it in the next 10 years.”

The possible hazards have not deterred her from a modern lifestyle. “Yes, I am calling you, talking to you using my cellphone,” she said. “I have a microwave. I have everything. It doesn’t change anything for me.”

She added, “But from a professional point of view, it’s important that we stay on top of it.”

The W.H.O. project is working on a new report summarizing the health risks of radio-frequency fields, to be published next year.

From: Andrew Michrowski <paceincnet@gmail.com>

To:

Sent: Sunday, July 13, 2014 6:31 PM

Subject: Fwd: Safety Code 6 guideline on radiofrequency exposure: Video testimony by Professor Paul Héroux of McGill submitted to Health Canada

Safety Code 6 Guideline On Radiofrequency Exposure

www.youtube.com/watch?v=Mt1h0Yu4uOs

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Andre Fauteux, Editor
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From: Andrew Michrowski <paceincnet@gmail.com>

Sent: Friday, July 25, 2014 1:36 PM

Subject: Fwd: Protective effects of KFL dietary supplement against high-power microwave radiation (2 papers)

Protective Effects Of KFL Dietary Supplement Against High-Power Microwave Radiation (2 Papers)

From: **Joel MOSKOWITZ** < @berkeley.edu>

Date: Fri, Jul 25, 2014 at 1:08 PM

Subject: Protective effects of KFL dietary supplement against high-power microwave radiation (2 papers)

To: CHE-EMF <cheemf@lists.healthandenvironment.org>

Neuroprotective effects of dietary supplement Kang-fu-ling against high-power microwave through antioxidant action

Hu S, Peng R, Wang C, Wang S, Gao Y, Dong J, Zhou H, Su Z, Qiao S, Zhang S, Wang L, Wen X. Neuroprotective effects of dietary supplement Kang-fu-ling against high-power microwave through antioxidant action. *Food Funct.* 2014 Jul 24. [Epub ahead of print]

Abstract

Kang-fu-ling (KFL) is a polybotanical dietary supplement with antioxidant properties. This study aimed to evaluate the potential protective effects of KFL on cognitive deficit induced by high-power microwave (HPM) and the underlying mechanism for this neuroprotection. The electron spin resonance technique was employed to evaluate the free radical scavenging activity of KFL in vitro and KFL exhibited scavenging hydroxyl radical activity. KFL at doses of 0.75, 1.5 and 3 g kg⁻¹ and vehicle were administered orally once daily for 14 days to male Wistar rats after being exposed to 30 mW cm⁻² HPM for 15 minutes. KFL reversed HPM-induced memory loss and the histopathological changes in hippocampus of rats. In addition, KFL displayed a protective effect against HPM-induced oxidative stress and activated the nuclear factor-E2-related factor 2 (Nrf2) and its target genes in the hippocampus of rats. The Nrf2-antioxidant response element (ARE) signaling pathway may be involved in the neuroprotective effects of KFL against HPM-induced oxidative stress. In summary, the dietary supplement KFL is a promising natural complex, which ameliorates oxidative stress, with neuroprotective effects against HPM.

<http://1.usa.gov/1kfgT7q>

The Compound Chinese Medicine ‘Kang Fu Ling’ Protects against High Power Microwave-Induced Myocardial Injury

Zhang X, Gao Y, Dong J, Wang S, Yao B, et al. (2014) The Compound Chinese Medicine “Kang Fu Ling” Protects against High Power Microwave-Induced Myocardial Injury. *PLoS ONE* 9(7): e101532. doi:10.1371/journal.pone.0101532.

Abstract

Background

The prevention and treatment of Microwave-caused cardiovascular injury remains elusive. This study investigated the cardiovascular protective effects of compound Chinese medicine “Kang Fu Ling” (KFL) against high power microwave (HPM)-induced myocardial injury and the role of the mitochondrial permeability transition pore (mPTP) opening in KFL protection.

Methods

Male Wistar rats (100) were divided into 5 equal groups: no treatment, radiation only, or radiation followed by treatment with KFL at 0.75, 1.5, or 3 g/kg/day. Electrocardiography was used to Electrophysiological examination. Histological and ultrastructural changes in heart tissue and isolated mitochondria were observed by light microscope and electron microscopy. mPTP opening and mitochondrial membrane potential were detected by confocal laser scanning microscopy and fluorescence analysis. Connexin-43 (Cx-43) and endothelial nitric oxide synthase (eNOS) were detected by immunohistochemistry. The expression of voltage-dependent anion channel (VDAC) was detected by western blotting.

Results

At 7 days after radiation, rats without KFL treatment showed a significantly lower heart rate ($P < 0.01$) than untreated controls and a J point shift. Myocyte swelling and rearrangement were evident. Mitochondria exhibited rupture, and decreased fluorescence intensity, suggesting opening of mPTP and a consequent reduction in mitochondrial membrane potential. After treatment with 1.5 g/kg/day KFL for 7 d, the heart rate increased significantly ($P < 0.01$), and the J point shift was reduced favorably ($P < 0.05$) compared to untreated, irradiated rats; myocytes and mitochondria were of normal morphology. The fluorescence intensities of dye-treated mitochondria were also increased, suggesting inhibition of mPTP opening and preservation of the mitochondrial membrane potential. The microwave-induced decrease of Cx-43 and VDAC protein expression was significantly reversed.

Conclusion

Microwave radiation can cause electrophysiological, histological and ultrastructural changes in the heart. KFL at 1.5 g/kg/day had the greatest protective effect on these cardiovascular events. mPTP plays an important role in the protective effects of KFL against microwave-radiation-induced myocardial injury.

Open Access Paper: <http://bit.ly/1o0i3OK>

Excerpts

... we focused on “Kang Fu Ling” (KFL), a compound isolated from Chinese medicine astragalus, red peony, salvia, ophelia, and wolfberry.

The increased risk of damage to the mitochondria is associated with the massive opening of mitochondrial permeability transition pore (mPTP) under pathological conditions of mitochondrial calcium overload [12]–[14]. We have found previously that KFL significantly decreased calcium level and activities of serum myocardial enzymes, such as creatine kinase-MB (CK-MB), lactate dehydrogenase (LDH), and aspartate aminotransferase (AST), etc, after microwave radiation [15]. Thus, we hypothesized now that the inhibition of mPTP opening by KFL may be responsible for its myocardial protection effects from HPM-induced myocardial injury. Indeed, in this study we found that changes of several mPTP associated protein expression after microwave radiation could be reverted by KFL treatment. This study sheds new light on the role of mPTP in mitochondrial dysfunction and molecular basis of KFL protection.

Mitochondria are extremely important organelles in myocytes, accounting for 40–60% of the cell volume [18]. The mPTP multi-protein complex in the mitochondrial membrane is a key component in mitochondrial signal transduction [19]. Excessive mPTP opening leads to a reduction in the mitochondrial membrane potential and is associated with numerous heart diseases [20], [21]. Under normal physiological condition, mPTPs are closed. The inner mitochondrial membrane is selectively permeable, allowing passage of some metabolic substrates and ions but not others. Under certain conditions, including calcium overload, oxidative stress, and impaired signal transduction, the mPTPs open and thus allow larger molecules to enter the mitochondria, causing increased osmolality of the mitochondrial matrix. This condition may lead to mitochondrial swelling, rupture of the outer mitochondrial membrane, leakage of pro-apoptotic proteins (such as cytochrome C) into the cytoplasm, abolition of the mitochondrial transmembrane potential, uncoupling of the respiratory chain from oxidative

phosphorylation, discontinuation of Adenosinetriphosphate (ATP) synthesis, finally resulting in cell death [22], [23].

... we now find that “ KFL”, a compound from traditional Chinese medicine protected rats from HPM-induced myocardial injury and also reverted mPTP opening induced by microwave radiation. After treatment of irradiated rats with 1.5g/kg/day KFL for 7 d, the heart rate recovered significantly ($P<0.01$), the J point shift was also reverted significantly ($P<0.05$), and the structures of myocytes and mitochondria were of normal morphology. Moreover, the fluorescence intensity of stained mitochondria was increased by KFL treatment, suggesting inhibition of mPTP opening and preservation of the mitochondrial membrane potential.

... These findings support that mPTP plays an important role in the protective effects of KFL against microwave-radiation induced myocardial injury. However, whether mPTP is the final effector, how KFL acts on mPTP, and what other signaling pathways are involved in this action remain to be determined by further studies.

Joel M. Moskowitz, Ph.D.
Director, Center for Family and Community Health
School of Public Health, University of California, Berkeley
Center: <http://cfch.berkeley.edu/>

Electromagnetic Radiation Safety

Website: <http://www.saferemr.com/>
Facebook: <http://www.facebook.com/SaferEMRSaferEMR>
News Releases: <http://pressroom.prlog.org/jmm716/>
Twitter: @berkeleyprc

From: Gary Vesperman <garyvesperman@yahoo.com>
To: Gary Vesperman <garyvesperman@yahoo.com>
Sent: Monday, September 1, 2014 9:43 PM
Subject: Grounding and EMF effects on health

Grounding and EMF Effects on Health

Some years ago I realized that AC electricity doesn't seem to be healthy to have around.

I then got to thinking that by installing off-grid self-powered 24 volt DC generators in houses and other buildings, appliances which require 120 VAC could be replaced with commercially available appliances which operate off the 24 volts DC supplied by RVs.

I happen to be in the middle of preparing a "Gallery of Clean Energy Inventions" exhibit. Attached is the pdf file. I hope to finish it in a few weeks. It is linked at <https://app.box.com/CLEANENERGYEXHIBIT>. It includes at least three dozen potential sources of energy – some of which are candidates for off-grid 24 volts DC generators.

Just brainstorming.

Gary Vesperman

Important observations which require appropriate instruments & protocols for tracing & follow-ups..

Andrew Michrowski

From: **André Fauteux** < @maisonsaine.ca>

Date: Mon, Sep 1, 2014 at 11:21 AM

Subject: Re: Grounding and EMF

To: Olle Johansson >

Cc: " @eria.info" < @eria.info>, andrew michrowski <paceincnet@gmail.com>

Hi Chris, Olle, Andrew

We are all electrosensitive and now about 5% of the population is so hypersensitive they are disabled, 10% or more in Europe now complain of such symptoms which are more or less disabling.

Many homes have contact current which EPRI and WHO suspect causes leukemia (attached paper)
Andrew, do you have an oscilloscope to measure it?

See this interview with Dave Stetzer

<http://www.stetzerelectric.com/rainmaking-interview/>

In an electrical circuit, outgoing electrical current needs somewhere to return. Since 1992, U.S. electric utilities have set up the electrical infrastructure to return high-frequency energy to the Earth. Unlike Europe, 70% of the electrical current is returned into the ground via phase wires. As a result, everything in physical contact with the ground is being constantly bombarded with this extra energy.

Guest Dave Stetzer, the founder of Stetzer Electric, is a measurement expert in the area of electricity. In this interview, he explains why Europe's electrical infrastructure is superior to that of the United States, and how much high-frequency electric current we are being exposed to daily in our homes, offices, and anywhere else we are in contact with the ground. Listen in and find out what you can do about it, and how utility companies can improve the safety of our electrical grid.

And also

Electric and Magnetic Fields (EMF) Affect Milk Production and Behavior of Cows; Results Using Shielded Neutral Isolation Transformer

By Donald Hillman, Ph.D., Charles L. Goeke, M.S., and Richard Moser, EE

12 International Conference on Production Diseases in Farm Animals, Michigan State University

<http://www.electricalpollution.com/documents/Hillman/ShockingNewsv3-072004.pdf>

Cheers

--

Andre Fauteux, Editor

La Maison du 21e siècle magazine

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Le 2014-09-01 à 01:12, Olle Johansson < > a écrit :

As a scientist, I echo your thoughts to 100%, dear Chris. They do apply to a whole variety of early studies, including my own on normal healthy volunteers as well as studies concerning electrohypersensitivity. With today's knowledge, of course they need to be repeated. Unfortunately, at least here in Sweden, it is practically impossible to get any funding since all people in power have decided this is a "safe" technology... :-((

Best regards
Yours
Olle

Olle Johansson, associate professor
The Experimental Dermatology Unit
Department of Neuroscience
Karolinska Institute
171 77 Stockholm, Sweden

Från: @eria.info [@eria.info]
Skickat: den 1 september 2014 01:25
Till: André Fauteux
Kopia: andrew michrowski; Olle Johansson
Ämne: Grounding and EMF

Wow, Andre.

Now we must design for people with bare feet (or leather soled shoes) who walk on stone, tile, concrete, soil or grass. OK, should we now be checking our local environments for all such ground related voltages? In 1995 did we include such "electro-stress", or did we only study magnetic fields?

Those long suffering Canadian dairy farmers with electro-exposed cows will finally get the attention they deserve? Small wonder Ontario Hydro were so reluctant to let CMHC into their territory – never mind Health Canada!

My own house (a 1956 bungalow with reinforced concrete floors) has tile, stone, ceramic, wood, and carpet floor coverings. What instrumentation would be good for me to assess my own electric living environments? What I have now is my trusty old Tri-Field Meter, plus many Volt-Ammeters (several clamp-type), and that little blue RF meter that PACE recently sold for \$100.

Gee, I'd like to rework/correct our original 1995 EMF study – any funding?
"No holds barred" - we have to return to basics = "What's going on".

NB - aren't many people with health/wellness issues now electrosensitive?

Best wishes, Chris.
Christopher Ives, MA
VP Technology, RESTCo Inc.
Remote Energy Security Technologies Collaborative
Tel 450-458-7974 - Cell 514-826-2312
My Skype handle is <chrismax.ives>
HOME - 70 Como Gardens, Hudson, Quebec J0P 1H0 Canada
OFFICE - 48 Tarquin Crescent, Nepean, Ontario K2H 8J8 Canada
chris@restco.ca - <http://www.restco.ca/> - www.restco.ca/About_Chris.shtml

~~~~~

On 2014-08-31 14:50, André Fauteux wrote:

Grounding can be very beneficial or dangerous: Many electrosensitive people have had bad results. You need to eliminate all EMFs around you first and ensure your ground is perfectly clean.

See attached paper and Dr Milham's comments below

Cheers

André

On 2014-06-13 à 13:07, Sam < @comcast.net> wrote :

Dear Andre,

The grounded Wye electrical distribution system here is now dumping up to 80% of the dirty neutral return currents into the earth for return to the substation. Here is what Dave Stetzer and I found at my Olympia Washington house when we set up an earthing blanket connected either to the earth or to an outlet ground. We found in excess of 4 volts of dirty electricity in the ground being delivered to the blanket. Many people have complained to me about being made ill by earthing, and dirty electricity in the ground has been making cows sick for decades. In most places in North America, using an earthing blanket is the same as connecting your body to the utility neutral return wire.

See Att. Best, Sam

From : "Sam " < @comcast.net>

Object : RE: Earthing risks and benefits

Date : July 17 2014 12:16:06 HAE

Dear Friends,

Unfortunately, Don Johnson didn't measure contact current, which is very high in residences near substations. (Kavet's paper is attached). Here is the measurement at a house adjacent to a substation in Washington State. The voltage is also high in the air with a high harmonic content.

Best, Sam

To: Andre Fauteux

Cc: Magda ; @aol.com; Sam ; c @prodigy.net;

Gaetan ; Dave ; Jan ; Spark

Subject: Fwd: Earthing risks and benefits

Dear Friends,

As a follow up to my email to all of you earlier today about man-made voltages/electric fields and earthing pads and whether or not stray current actually travels on the earth and how it does so, an interesting article came out just two days ago on this very same issue.

Los Angeles-based investigative reporter Daniel Ross of Truthout contacted me here in LA some weeks ago, saying he was writing an article for his online publication about adverse health effects suffered by people living in Desert Rose, a neighborhood adjacent to an electric sub station in Palm Desert, California. I was familiar with that issue having worked with many clients living around another substation closer to Los Angeles. I had lunch with Daniel and gave him his first intro to electricity and its resultant fields, which at the time he knew essentially nothing about, and the issue of stray current/voltage. He had not heard yet of Dave or Sam, having told me I was the first person he had contacted. I gave him your names, as well Spark's. I believe he already knew of Magda.

It turns out the article is quite informative and includes quotes from several of the people receiving this email (Dave, Sam, Magda and Spark). The article is entitled, "Desert Rose and the Story of Stray Currents." The link is: <http://www.truth-out.org/news/item/24894-desert-rose-and-the-story-of-stray-currents>

It is indeed interesting to see the different points of view in the article on the issue, as Daniel stated. It seems the IEEE guys tend to underplay, by a significant factor, the subtler, low level biological effects from long term exposure to low current flow such as from stray current on the earth, especially close to a substation. They emphasize, as they always do, the more acute, high level physical effects, such as shock from voltage. With all due respect to them, they miss the understanding that Magda and others of us have of the long term, cumulative biological effects of exposure to these fields and currents at much lower levels.

As I said to Daniel, the reporter, it is just so hard for us to measure stray current on the soil directly at homes, because when we wrap our clamp meters, which can measure down into the milliAmp level, around a wire between two earth rods some distance apart, we don't measure significant current like we do on circuits inside the home when wiring errors are present. The engineer who did most of the measurements at Desert Rose, Don Johnson, explained he had to deduce the milliAmps he attributes to stray current from voltage and the resistance of people, which he admits varies from person to person.

I think you will find Daniel's article quite informative as a present day compendium of the various opinions about stray current/voltage and DE, and it particularly addresses some of the issues discussed previously on this email thread.

All the best.

Oram

--

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André Fauteux, éditeur

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<https://maisonsaine.ca/>

[www.facebook.com/maisonsaine](https://www.facebook.com/maisonsaine)

Le 2014-08-31 à 12:55, @eria.info a écrit :

Well, I wish we'd known this in 1995, eh? - Chris

Think of the changes we would have made to CMHC's Healthy Housing!!!

Dare we re-write "the book" with what we know today?

Could this have helped (say) Debra Wright to survive?

Grounding Helps Thin Dangerously Thick Blood & Fights Inflammation & Disease

August 04 - 2013

<http://articles.mercola.com/sites/articles/archive/2013/08/04/barefoot-grounding-effect.aspx>

[https://www.youtube.com/watch?v=11PC8AFrh5w&feature=player\\_embedded](https://www.youtube.com/watch?v=11PC8AFrh5w&feature=player_embedded) -

90 minutes

Story at-a-glance

- When you walk barefoot, free electrons are transferred from the earth into your body, and this grounding effect is one of the most potent antioxidants we know of.
- Inflammation thrives when your blood is thick, and you have a lot of free radical stress, and a lot of positive charges in your body. Grounding effectively alleviates inflammation because it thins your blood and infuses you with negatively charged ions through the soles of your feet.
- Surfaces that allow for proper grounding include sand, grass, bare dirt, and untreated concrete, brick and ceramic tile. Leather-soled shoes also allow you to ground while walking, whereas rubber-soled shoes disconnect you from the earth and block beneficial electron transfer.
- Grounding helps thin your blood by improving its zeta potential, which means it improves the energy between your red blood cells. Research has demonstrated it takes about 80 minutes for the free electrons from the earth to reach your blood stream and transform your blood.
- Grounding is contraindicated if you take Coumadin, as it may thin your blood too much.

<MERCOLA Dr Sinatra GROUNDING Thins Blood.pdf><MERCOLA Dr Sinatra GROUNDING transcript.pdf>

**From:** Andrew Michrowski <paceincnet@gmail.com>

**To:**

**Sent:** Saturday, November 15, 2014 11:31 AM

**Subject:** Fwd: Electromagnetic Interference with Medical Devices from Third Generation Mobile Phone Including LTE

### **Electromagnetic Interference with Medical Devices from Third Generation Mobile Phone Including LTE**

Note the last sentence, which derives from the ominous "electromagnetic hash" aspect completely ignored by safety standards:

Finally, we show that discontinuous transmission might cause higher levels of EMI (electromagnetic interference) than those for continuous transmission.

This is associated also with the Bohm-Aharonov effect, "beating of frequencies" and that of electron stripping that we find in accelerated corrosion that occurs as soon as there are two or more frequency emissions.

Note that this is a very commonplace electromagnetic environment, full-time situation in many downtown, suburban settings, highways, not to mention institutional facilities such as classrooms. We find such power density levels on sidewalks, entrances to buildings, shopping centres, hospitals, government buildings, near SMART meters, even gasoline filling stations!

Originally you would have spotted such type of ancillary interference, destructive and degenerative issues in space mission command centres, 9-1-1 facilities, airport traffic control towers – but not it is part of our societies' way of "doing things" & businesses..

Andrew Michrowski

From: **EMF Refugee** <emfrefugee@gmail.com>

Date: Sat, Nov 15, 2014 at 1:14 PM

Subject: Electromagnetic Interference with Medical Devices from Third Generation Mobile Phone Including LTE

To: EMF Refugee <emfrefugee@yahoogroups.com>, emr-updates@yahoogroups.com

## **14P1-H6. Electromagnetic Interference with Medical Devices from Third Generation Mobile Phone Including LTE**

S. Ishihara<sup>1</sup>, J. Higashiyama<sup>1</sup>, T. Onishi<sup>1</sup>, Y. Tarusawa<sup>1</sup>, K. Nagase<sup>2</sup>

---

<sup>1</sup>NTT DOCOMO, INC., Japan, <sup>2</sup>Kanazawa University Hospital, Japan

This paper describes EMI with medical devices used in hospitals from mobile phones. Transmission power, frequency, transmission mode, and radiation sources are considered to investigate the relationship with EMI. LTE, HSPA, and W-CDMA are selected as the transmission method. Thirty-two different medical devices, which are mainly used in the operating room or ICU, are used in this evaluation. The results show that 12 medical-device models incurred EMI. The results also clearly show that the EMI strongly depends on the transmission power and the distance between the mobile phone and medical device. For example, when transmission power at 800 MHz is the nominal maximum and 10 dBm, the maximum EMI distances are approximately 70 and 10 cm, respectively. Based on this, the nominal maximum power test is important for conservative evaluation. On the other hand, the results do not show that EMI is dependent on the frequency band. Therefore, evaluations must consider all mobile phone frequency bands so that EMI can properly be detected. Furthermore, the electromagnetic field emitted by a half-wave dipole antenna causes higher levels of EMI than that by a mobile phone. Finally, we show that discontinuous transmission might cause higher levels of EMI than those for continuous transmission.

<http://www.ieice.org/proceedings/EMC14/contents/program/detail14H.html>

<http://www.ieice.org/proceedings/EMC14/contents/pdf/14P1-H6.pdf>

---

### **EMR-Updates**

**(Sent from a Hard-Wired Computer)**

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<http://emfrefugee.blogspot.com>

*"To surmount the situation of oppression, people must first critically recognize its causes, so that through transforming action they can create a new situation, one which makes possible the pursuit of a fuller humanity. But the struggle to be more fully human has already begun in the authentic struggle to transform the situation. Although the situation of oppression is a dehumanized and dehumanizing totality affecting both the oppressors and those whom they oppress, it is the latter who must from their stifled humanity, wage*

*for both the struggle for a fuller humanity; the oppressor, who is himself dehumanized because he dehumanizes others, is unable to lead this struggle."*

- Paulo Freire <<http://www2.webster.edu/~corbetre/philosophy/education/freire/freire-1.html>>

*"The further a society drifts from the truth, the more it will hate those that speak it."*

- George Orwell

*"The Autonomic system is affected by microwaves of the centimeter wave length band. These waves affect circulation, respiration, temperature control, water balance, albumin and sugar concentration in the cerebro-spinal fluid, hydrogen ion concentration, EEG, GSR, sleep, conscious awareness, etc."*

- W. Bergman (*The Effect of Microwaves on the Central Nervous System, 1965*)

**From:** Andrew Michrowski <[paceincnet@gmail.com](mailto:paceincnet@gmail.com)>

**To:** Essentia <[essentia@essentia.ca](mailto:essentia@essentia.ca)>

**Sent:** Tuesday, April 7, 2015 5:52 PM

**Subject:** HQ's "Non-communicant" meters?

**HQ's "Non-communicant" meters?**

April 2015

To our current understanding, SMART meters are 3 types of communicating meters!

One – transformer rated – is used for entrance bigger than 200 Amps . The total current is not passing through the meter, but uses a current transformer to export the readings to the outside meter (from a box usually called "30- 30-10" ).

The second type is communicating, and has the disconnect symbol on the left side, so is equivalent to the focus type, so it seems.

The third one is also communicating. If you see 2 references: GE means .. meter made by GE , and the top sticker ...ITRON is mentioning the inside Radio Frequency modules (for communication with the GRID) made by, or for ITRON. HUNT is also replacing Itron on some meters seen.

You can also get certification approval from Mesure/Measurement Canada. Check with Google, and enter the number located inside the maple leaf-like symbol – and you will get the approval certificate for those meters.

Hydro Quebec (HQ) can apparently use tarification based on "TOU" (Time Of Use) and apparently also depending on seasonal periods ... ! The meters are made for that.

Meters also measure 'apparent' power (KVA) and HQ bills the customers the KVA (Kilo Volt X Amperes) as if they were KW Kilo Watt (much higher – if the loads are reactive – and not purely resistive!)

A nice way to confound customers who tend to be unaware of this modification, which may well be illegal since the utility changed the contracts without warning and explaining customers.

It is suggested that the RF emissions be monitored with a RF meter for the 2 bands: 902 to 928 MegaHz and the 2.45 GigaHz Zigbee band (that is not supposed to be activated yet) at 1 meter in front of each meter.

This is the best way to confirm the facts. The 'non-communicant' meter also produces elevated spikes of the 60Hz band when transmitting / measuring through a transformer which on its own consumes supplementary electric power.

This information is an assembly of observations made across Québec by our collaborative network.

From: Andrew Michrowski <paceincnet@gmail.com>  
Subject: Fwd: Petition for a Writ of Certiorari filed in Smart Meter Case  
Date: Wednesday, June 24, 2015, 3:02 PM

### **Petition for a Writ of Certiorari filed in Smart Meter Case**

Development in tune with international solidarity.. Dr. Andrew Michrowski

-----  
From: Kate < @verizon.net>  
Date: Wed, Jun 24, 2015 at 8:47 AM  
Subject: Fwd: Petition for a Writ of Certiorari filed in Smart Meter Case  
Sent: Tue, Jun 23, 2015 9:38 pm

Subject: Petition for a Writ of Certiorari filed in Smart Meter Case

Dear Friends,

Thank you for your help in the (enormous) effort to prepare this case. The Petition for a Writ of Certiorari was sent yesterday for filing at the U. S. Supreme Court in Washington, D.C. I have attached the final version of the document. In addition to writing a cogent and persuasive legal argument, my goal was to make the case very sexy, enticing, and irresistible to the Justices, a real page-turner that leaves them begging for more, so that they will deign to hear the case (i.e. grant certiorari).

Please post, publish, and disseminate this document widely! It will also be publicly available on PACER. The more noise we make about this issue, the better we will be heard.

Please join me in envisioning the words of the Petition jumping off the page and, as my friend Bruce suggested, "biting them in the butt" so that they are itching to hear the case. This is the year the Smart Grid comes down; 2015 is the year all of our efforts come to fruition. Let's make it happen!

Thanks for all you do,

Deborah Cooney  
AKA Celeste

### **QUESTIONS PRESENTED**

We live in a fast-paced society where technological innovations make possible the most unthinkable forms of trespass. Never before have policy-makers had to confront this issue. Recent uproar over the revelations of former government contractor, Edward Snowden, has sparked a public policy debate about our national surveillance programs. Similar information technologies are being deployed at the state level for various purposes, such as measuring energy consumption. The Smart Grid is one such program. At the heart of this matter lies the ultimate question of whether the federally-mandated and federally-funded California Smart Grid violates constitutional rights.

1. Does the federally-funded California Smart Grid chill freedom of speech? Can this be argued?
2. Does the federally-funded California Smart Grid violate the Free Exercise Clause of the First Amendment? Can this be argued?
3. Does the federally-funded California Smart Grid violate the Religious Freedoms Restoration Act (RFRA)? Can this be argued?
4. Is the federally-funded California Smart Grid an unwarranted search or seizure prohibited by the Fourth Amendment? Can this be argued?
5. Does the federally-funded California Smart Grid usurp private property rights or liberties guaranteed by the Fifth Amendment? Can this be argued?
6. Does the federally-funded California Smart Grid violate the Right to Privacy? Can this be argued?
7. Was Due Process compromised during the approval, implementation, or oversight of the federally-funded California Smart Grid? Can this be argued?
8. Does the federally-funded California Smart Grid violate the ban on human experimentation? Can this be argued?
9. Are Smart Meters or their radio-emissions a banned hazardous substance? Can this be argued?
10. Does the federally-funded California Smart Grid violate the Clean Air Act? Can this be argued?
11. Does the federally-funded California Smart Grid violate the Consumer Product Safety Act? Can this be argued?
12. Did the Defendants defraud the U. S. Government while procuring federal funding for the California Smart Grid? Can this be argued?
13. Is the District Court constitutionally barred from requiring an indigent litigant to borrow money to pay court fees? Can this be argued?

**PARTIES**

“Petitioner”/Plaintiff Deborah Cooney; Defendant California Public Utilities Commission (“CPUC”); Defendant “State” of California; Defendant Michael R. “Peevey”, former President of the California Public Utilities Commission (CPUC); Defendant Kamala D. “Harris”, California Attorney General; Defendant San Diego Gas & Electric (“SDG&E”), purveyors of the Smart Grid; and Defendant “Itron”, Inc., manufacturers of Smart Grid equipment.

Since the inception of this case in 2012, Michael Peevey has resigned in disgrace from his position as President of the CPUC. The new President, Michael Picker, must also be named in order to effectuate prospective declaratory and injunctive relief. He may also be held liable, individually, for some of the recently incurred compensatory damages.

**RULE 29.6 STATEMENT**

SDG&E is a wholly-owned subsidiary of Sempra Energy. Petitioner is unaware of any other relevant holdings of any other party. Petitioner is an individual, as well as a fictitious person doing business as Celeste, Celeste Center, Celeste Christmas, Celeste’s Kitchen, Big Star Productions, Spit It Out Publishing, Academy of the Stars, World Healing Education Now Foundation, and WHEN Foundation. These fictitious business names were registered with the San Diego County Clerk in 2008. All businesses are closely held and solely owned by the Petitioner, who is the sole employee. Petitioner asks this Court to recognize her status as a fictitious person for the purpose of expanding her rights to include not only those of natural persons, but also the recent judicially-created and far superior rights of fictitious persons.

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**PETITION FOR WRIT OF CERTIORARI**

The information age is upon us. Private multinational corporations like IBM, the inventor of everything “Smart”, as well as a host of other companies, stand eager to capitalize on the information technology (IT) craze. The Petitioner asks this Court to contemplate whether our society’s recent preoccupation with information-gathering violates constitutional rights. For the benefit of all citizens, government agents, contractors, investors, suppliers, and the like, this issue must be addressed forthwith by the nation’s highest court. We are all desperate for the Court’s guidance. This case presents an actual controversy which affords the Court a much-needed opportunity to impart its wisdom. This Court should assume the mantle.

The constitutional challenges include not only access to private information, but also the nonconsensual placement of radio frequency (RF) radiation-emitting devices on private property, the physical occupation of the airspace of private residences and businesses, and the physical and/or psychological injury and other harm that it causes. In the past, we transmitted radio signals for the purpose of entertainment or emergency services communication. Our homes were equipped with receivers, but transmitters were properly sited in remote, non-residential areas. We all benefited from this safe communal use of technology and we consented to its presence in our homes and private property.

Today, the commons have been taken without consent and solely for private gain. Indeed, even our private possessions have been usurped in the same endgame. Transmitters, such as Smart Meters, have been placed in and on our homes without our knowledge or permission. Magnetic data now streams through our homes, our personal possessions, our bodies, and even our children’s bodies. Scientific studies show alarming biological effects. Researchers have determined that nothing less than the human genome, itself, is at stake. We withdraw consent. We now assert our rights. We require the Court’s assistance for enforcement.

**JURISDICTION**

The Court of Appeals entered its Order Denying the Motion to Proceed In Forma Pauperis on March 25, 2015 and its Order of Dismissal on May 4, 2015. The jurisdiction of this Court is invoked under 28 U.S.C. § 1254(1). The original federal jurisdiction arises as follows:

- 1.This Court has subject matter jurisdiction over this action pursuant to 28 U.S.C. § 1331 because the claims arise under the laws of the United States.
- 2.This Court has diversity of citizenship jurisdiction over this action pursuant to 28 U.S.C. § 1332 because the matter in controversy exceeds \$75,000 exclusive of interests and costs, because the Plaintiff/Petitioner has been forced to flee to West Virginia and Florida to mitigate damages caused by Defendants (28 U.S.C. § 1332(a)(1)), and because Defendant Itron is a Washington corporation headquartered in Washington state. (28 U.S.C. § 1332(c)(1))
3. This Court has original jurisdiction over the civil rights claims in this action pursuant to 28 U.S.C. § 1343(a).
4. This Court has supplemental jurisdiction over this action pursuant to 28 U.S.C. § 1367(a).
5. The declaratory and injunctive relief requested is authorized by 28 U.S.C. § 2201 and 2202 and 15 U.S.C. § 1267(a) pertaining to hazardous substances.

**STATUTORY PROVISIONS INVOLVED**

U.S. Constitution, Amendments I, IV, V, IX, X and XIV, Freedom of speech, Right to free exercise of religion, Right to petition the government for redress of grievances, Right of the people to be secure in persons and houses, Right to life, liberty, and property, due process of law, and private property not to be taken for public

use, Rights retained by the people, Right to privacy, States shall not deprive citizens of privileges, life, liberty or property, due process of law, and/or equal protection of the laws.

15 U.S.C. § 1261-7 Commerce Code, Chapter 30 Hazardous Substances

15 U.S.C. § 2068-9 Consumer Product Safety, Prohibited Acts and Private Right of Action

18 U.S.C. § 241-2 Criminal Code, Chapter 13, Civil Rights, Conspiracy against rights, Deprivation of rights under color of law

18 U.S.C. § 371 Criminal Code, Chapter 19 Conspiracy to defraud United States

18 U.S.C. § 653 and 666 Criminal Code, Chapter 31 Embezzlement and Theft, Disbursing officer misusing public funds, Theft or bribery concerning programs receiving Federal funds

18 U.S.C. § 1001 and 1018 Criminal Code, Chapter 47 Fraud and False Statements

42 U.S.C. § 1983, 1985 and 1986 Public Health and Welfare Code, Chapter 21 Civil Rights, Civil action for deprivation of rights, Conspiracy to interfere with civil rights, Action for neglect to prevent

42 U.S.C. § 2000bb Public Health and Welfare Code, Chapter 21B, Religious Freedoms Restoration

42 U.S.C. § 3515b Public Health and Welfare Code, Chapter 33, Subchapter I, Prohibition on funding certain experiments involving human participants

42 U.S.C. § 7401, 7412, 7470, and 7477 Public Health and Welfare Code, Chapter 85, Subchapter I, Air Pollution Prevention and Control, Clean air

42 U.S.C. § 9607 Public Health and Welfare Code, Chapter 103, Subchapter I, Hazardous Substances Releases, Liability, Compensation

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42 U.S.C. § 17381, and 17386 Public Health and Welfare Code, Chapter 152, Subchapter IX, Smart Grid, (8) Provision to consumers of timely information and control options, Matching Fund

45 CFR Part 46 Public Welfare, Protection of Human Subjects, known as the "Common Rule"

## STATEMENT OF THE CASE

Petitioner/Plaintiff's federal rights were abridged by the State of California's implementation of the federally-funded, federally-mandated Smart Grid, which caused serious injury and catastrophic loss. Plaintiff lost her home, her business which is her sole means of livelihood, her health, her life savings, her cat, her life partner, her ability to tolerate low levels of RF radiation, her ability to live anywhere in California, and her ability to live anywhere there is a Smart Grid. Petitioner/Plaintiff seeks declaratory and injunctive relief as well as compensatory damages. The Complaint enumerates several Constitutional violations, including but not limited to:

1. First Amendment Free Exercise Clause.
2. Right to petition the government for redress of grievances.
3. Fourth Amendment protection from unlawful search and seizure.
4. Fifth Amendment protection of life and liberty.
5. Fifth Amendment prohibition against private property being taken for public use without just compensation.
6. Fourteenth Amendment Due Process violations arising from Defendant Peevey's prohibited financial and official relations with the utilities that he was entrusted with regulating.
7. Fourteenth Amendment Due Process violations whereas thousands of injuries were reported to Defendant Peevey and the CPUC, who refused to acknowledge or handle them.
8. Right to privacy including the right to be free from vexatious digital noise and disturbance in one's own home.

The Complaint correctly invokes 42 U.S.C. § 1983, 1985-6, which affords a federal private right of action against the Defendants who are public employees, public entities, or public contractors. Many additional federal and state statutes were cited. The lower court inexplicably decided that these laws are inapplicable.

## A. FACTUAL BACKGROUND

On or about August 24, 2011, Petitioner/Plaintiff was injured by the Smart Grid equipment, manufactured by Defendant Itron, installed by Defendant SDG&E, and approved or mandated by Defendant CPUC. Smart Grid equipment was installed on and around Petitioner/Plaintiff's home without her consent and over her express objections. Each of the Defendants knew that the product would be used without inspection by the Plaintiff for defects. The product was defective when it left the control of each Defendant. At the time of injury, the product was being used as intended. Plaintiff was an unwilling user and purchaser of the product, as well as an unwitting bystander.

Petitioner/Plaintiff believes in living in harmony with nature and keeping the body well-nourished, well-rested, and free of toxins. She subscribes to the religious belief of "Do no harm". Defendants have infringed upon her right to practice this religious belief in the privacy of her own home and business.

Her freedom of speech has likewise been abridged or chilled, as she is not able to express her love of nature and health by keeping her home and business free of toxic radiation. Defendants have interfered with the very formulation of speech in the brain by polluting Petitioner/Plaintiff's body with a substance scientifically proven to affect cognitive function. Similar government programs, such as Project MKUltra, have been shut down on the same premise. Moreover, the radio-pollution has caused injuries, homelessness, business loss, and financial crisis. This has significantly curtailed the Petitioner/Plaintiff's participation in civic discourse, again chilling free speech.

Defendants have violated Petitioner/Plaintiff's person (body) and home with their unwanted radiation.

Defendants have imposed a permanent physical occupation of Petitioner/Plaintiff's residence without consent and without just compensation. Defendants have used the airwaves in Petitioner/Plaintiff's home for public use without just compensation, without her informed consent, and over her express objections. Defendants have conducted a toxic intrusion of Petitioner/Plaintiff's person (body) and home, in ways that usurp power and disparage rights.

Defendant Peevey has breached ethics and violated the California Public Utilities Code § 303(a) by holding official relations to and a financial interest in several companies or persons subject to regulation by Defendant CPUC.

"San Francisco, CA- Facing mounting opposition to wireless 'smart' meters being rolled out by California utilities, including 10 local governments who have criminalized installations, and 23 more who have demanded that the CPUC stop the program because of widespread reports of health impacts, the Commission yesterday signaled that it would ask one of California's utilities- PG&E- to develop a plan to allow customers to opt out of having a wireless meter installed- at customers' expense...Environmental health advocates and a burgeoning grassroots movement to halt the installations welcomed the CPUC's admission that there is a health crisis with the smart meter program, but slammed the meager steps proposed to address it...The wireless meters have been widely reported to cause headaches, dizziness, ringing in the ears even memory loss and heart palpitations among susceptible individuals due to bursts of microwave radiation. The movement against wireless meters is the sharp end of a growing movement demanding health-based standards for wireless technology." (March 11, 2011, posting on stopsmartmeters.org)

A June 11, 2012, article in La Maison features Harvard-educated physician, Dr. David O. Carpenter, founder of the University at Albany School of Public Health, joined by more than 50 of his esteemed colleagues to "correct some of the gross misinformation" being propagated by industry-funded studies and rogue government agencies, such as Defendant CPUC. Highlights include:

“A technical study performed by Sage Associates in California indicates that RF levels from various scenarios depicting normal smart meter installation and operation may violate even the out-of-date US public safety standards.”

“Wireless smart meters typically produce atypical, relatively potent and very short pulsed RF/microwaves whose biological effects have never been fully tested. They emit these millisecond-long RF bursts on average 9,600 times a day with a maximum of 190,000 daily transmissions and a peak level emission two and a half times higher than the stated safety signal, as the California utility Pacific Gas & Electric recognized before that State’s Public Utilities Commission. Thus people in proximity to a smart meter are at risk of significantly greater aggregate of RF/microwave exposure than with a cell phone, not to mention the cumulative exposure received by people living near multiple meters mounted together, pole-mounted routers or utility collector meters using a third antenna to relay RF signals from 500 to 5,000 homes.”

“Stop Smart Meters!, the EMF Safety Network, and other groups opposing ‘smart’ meters continue to receive reports from hundreds of people experiencing health impacts after the wireless meters are installed, including sleep problems, headaches, tinnitus and nausea. The California Public Utilities Commission has received over 2000 complaints of health impacts. The CCST report failed to interview anyone reporting health symptoms, and neglected to cite peer-reviewed findings of non-thermal biological damage from low level RF emissions.” (See [http://emfsafetynetwork.org/?page\\_id=3299](http://emfsafetynetwork.org/?page_id=3299))

Although there are hundreds of scientific studies showing that RF radiation causes biological harm and even cancer, the industry claims that there is no scientific evidence of harm. The industry commissions its own studies, instructing the scientists to create experiments that show no harm. Some of their former employees, such as Dr. George Carlo, have confirmed this. The industry then cites their own studies, ignoring all others. The insurance industry has refused to provide product liability insurance on cell phones, Wi-Fi, and other RF emitting devices, primarily due to fear that this litigation may turn out like tobacco or asbestos litigation did with huge punitive awards.

"Federal law is the supreme law of the land, but there is no constitutional provision that says federal facts are the supreme facts of the land. Federal law can preempt state law, but it cannot preempt scientific fact. The scientific truth, whatever it may be, lies outside of the FCC’s regulations about what is 'safe' or 'unsafe.'" Judge Frederick H. Weisberg, Washington D.C. Superior Court: August 8, 2014, Expert Preemption Order (page 5), *Michael Patrick Murray et al. v. Motorola Inc. et al.* Case No. 2001 CA 008479 B in the Superior Court for the District of Columbia

## **B. PROCEDURAL HISTORY**

The District Court never considered the Petitioner/Plaintiff’s constitutional claims. It granted the Defendants’ Rule 12(b) motions to dismiss for (1) lack of subject matter jurisdiction and (6) failure to state a claim. Its justification relied upon Eleventh Amendment immunity, legislative immunity, a finding of no authority over the Smart Grid, a finding that federal law is inapplicable, a failure to recognize a private right of action, and state law procedural limitations on certain actions concerning the CPUC (Public Utilities Code § 1759). The dismissals were granted with nary a word about the constitutional violations pleaded in the Complaint. A finding of constitutional violations would overrule all of the District Court’s other findings, as the Constitution is the highest statutory authority. Petitioner now asks this Court to review the significant and far-reaching constitutional issues presented here.

The Petitioner is competent and well-educated (Ivy League), but indigent as a result of the injuries described in the Complaint. She has garnered much experience prosecuting numerous cases involving misconduct of public officials which abridges constitutional rights. She has complied with all legal and procedural requirements. She has applied to proceed in forma pauperis in all stages of the case, as she is unable to pay fees. The lower courts have unfairly used her condition of poverty to dismiss any appeal as frivolous, thus skirting the constitutional questions.

The District Court denied the original fee waiver based upon financial considerations, not frivolousness. The District Court surmised that although the Petitioner/Plaintiff was indigent, she should *borrow* money to pay the filing fee and ordered her to do so. Because this is an issue of great public import, Californian for Renewable Energy (CARE) extended the \$350 loan to allow the case to move forward. Petitioner maintains that the District Court has no authority to require an indigent incur debt in order to exercise a constitutional right.

Upon curtailed and cursory review, the Ninth Circuit found the petitioner's claims to be frivolous. (App. F) An appeal is frivolous if it "lacks an arguable basis either in law or in fact." *Neitzke v. Williams*, 490 U.S. 319, 325 (1989). "Unless there is 'indisputably absent any factual or legal basis' for the wrong asserted in the complaint, the trial court, '[i]n a close case,' should permit the claim to proceed at least to the point where responsive pleadings are required." *Neitzke v. Williams, supra*, P. 323 quoting *Williams v. Faulkner*, 837 F. 2d 304, 306 (1988). The Ninth Circuit refused to provide any explanation of their reasoning for this finding, pre-empting any request for clarification. (App. F) The District Court likewise provided no explanation. (App. E) Because the Petitioner is indigent, she was unable to raise the \$505 necessary to pay the court fees. She was also discouraged by the appellate court's threat of dismissal even if the fees were paid. Whereas the court refused both to hear the case and to provide a legal basis for dismissal, due process was violated. Unless this Court grants certiorari, collateral attack will likely ensue. This Court should exercise its supervisory powers here, if only to preserve the integrity of American jurisprudence and prevent an endless roundelay of litigation exposing rampant corruption in our courts.

The Petitioner maintains that her case does indeed have "an arguable basis" in law. Not only is there a discernable legal argument, but also a very timely one, relevant to the ongoing public discourse. The constitutional questions presented herein warrant a thorough review by the nation's highest court. Upon granting certiorari, this Court has the option to review the substance of the controversy or to simply find that the case is not frivolous and remand for further briefing in the lower court. Petitioner encourages the Court to embrace this opportunity to review the substantive issues.

## **REASONS FOR GRANTING THE PETITION**

The Petitioner presents the following "compelling reasons" as defined by the Rules of the Supreme Court, Rule 10.

"(a) a United States court of appeals has entered a decision in conflict with the decision of another United States court of appeals on the same important matter; has decided an important federal question in a way that conflicts with a decision by a state court of last resort; or has so far departed from the accepted and usual course of judicial proceedings, or sanctioned such a departure by a lower court, as to call for an exercise of this Court's supervisory power;"

"(c) a United States court of appeals has decided an important question of federal law that has not been, but should be, settled by this Court, or has decided an important federal question in a way that conflicts with relevant decisions of this Court."

### **1. CONFLICT WITH *FRIEDMAN V. PUBLIC UTILITIES COMMISSION***

In *Friedman v. Public Utilities Commission*, 2012 ME 90, the Maine Supreme Court decreed "Contrary to the Commission's conclusion, we are not persuaded that Friedman's health and safety concerns were "resolved"..." The highest state court in Maine found a lack of due process in Smart Grid proceedings, which bear striking similarity to that of California. In both states, the commissions disregarded the thousands of injuries reported. Both pushed the agenda forward in the face of overwhelming public opposition. Both were unduly influenced by industry. Both ignored reams of scientific evidence showing the adverse biological effects of electromagnetic radiation. Neither took heed of urgent warnings from distinguished doctors and scientists with extensive expertise in the field. Neither required any kind of safety testing.

Supreme Court Rule 10(a) authorizes this Court to resolve the conflict between the decisions of the Maine Supreme Court and those of the Ninth Circuit. This Court should step up to the plate and resolve this issue.

Moreover, the CPUC is under state and federal investigation for wrongdoing in the San Bruno fires. The investigations have turned up a cache of incriminating emails showing ex parte communications between the Commission and the companies it regulates. In one of his emails, Peevey admitted that he was causing people pain and suffering from RF radiation emitted by the Smart Grid. Another email revealed that Peevey had asked several of the electric utilities for million dollar donations to his various non-profit slush funds, such as the California Clean Energy Fund (CalCEF), the California Emerging Technology Fund (CETF), or the California Foundation on the Environment and the Economy (CFEE). Another \$100,000 donation was required from each of the regulated utilities to fund a hedonistic anniversary celebration. This clearly breaches the California Public Utilities Code 303(a), which prohibits commissioners from official or financial relations with any regulated utilities.

On January 7, 2015, former San Diego City Attorney, Michael J. Aguirre, Esq., published a Report of Malfeasance and Institutional Corruption at the California Public Utilities Commission detailing additional abuses. (See <http://www.amslawyers.com/Breaking-News/Storm-Warning-CPUC-1-7-14.pdf>) The report also implicates Defendant SDG&E in the wrongdoing. “Under Peevey, the CPUC derailed its investigation into the SDG&E equipment that started two of the 2007 fires in San Diego. (Decision D.10-04-047) CPUC staff determined SDG&E was in violation of General Order 95, Rules 31.122 and 3823 at the time of the fires. As in the case of San Bruno, the CPUC under Peevey imposed a fine but bestowed a rate increase large enough to absorb the penalty. (D1112023; Petition 07-11-007)”

In response to this corruption, the California legislature has enacted additional measures to address the overly cozy relationships between the regulators and the industry. The legislature has given a clear signal that it will not tolerate the abuses at the CPUC. (See <http://www.sfgate.com/bayarea/article/Budget-tightens-oversight-on-California-PUC-4646033.php>) However, the legislature is not empowered to enforce the laws that it enacts. Only the courts can do so. This Court must see these efforts through to fruition. This Court must honor legislative intent. (*Johnson v. Southern Pacific Co.* (1904) 196 U.S. 1) This Court must grant certiorari.

## **2. CONFLICT WITH *MURRAY V. MOTOROLA***

The Ninth Circuit’s opinion conflict’s with the decision of the District of Columbia (DC) Court of Appeals, the equivalent of a state court of last resort (state supreme court), on important issues of federal law concerning RF radiation. The DC Court allowed the cases to move forward where the defendants exceeded FCC standards, as the Petitioner/Plaintiff has alleged, and where there was fraud, also alleged by Petitioner/Plaintiff. Thus, the Petitioner demonstrates a “compelling reason” for granting certiorari under Rule 10(a) of the Supreme Court.

“[W]e conclude that insofar as plaintiffs’ claims are premised on allegations that they were injured through use of cell phones that did not meet the FCC standard, the claims are not federally preempted. We also conclude that plaintiffs’ claims alleging violations of the District of Columbia Consumer Protection Procedures Act (“CPPA”), D.C.Code § 28-3904 (2001), may survive the preemption challenge.” *Murray v. Motorola, Inc.*, 982 A. 2d 764, 768 - DC: Court of Appeals 2009. Several claims were allowed to go forward on the theory that the defendants made false and misleading statements and failed to disclose information about the dangers of RF radiation emitted by cell phones, as proscribed by CPPA.

## **3. CONFLICT WITH *ENVIRONMENTAL DEFENSE FUND V. EPA***

The U.S. Court of Appeals for the D.C. Circuit has declared, “the ethical problems of conducting cancer experiments on human beings are too obvious to require discussion.” *Environmental Defense Fund v. EPA*, 510 F.2d 1292, 1299 (D.C. Cir. 1975) The Ninth Circuit’s decision here directly conflicts with the D.C. Circuit on this issue. The Ninth Circuit ruled that all of the Petitioner/Plaintiff’s claims were frivolous, including the violation of the ban on human experimentation. Whereas RF radiation-emitting Smart Meters have never been tested for safety and the World Health Organization has declared RF radiation a class 2B (possible) carcinogen, the federally-funded Smart Grid is an unethical cancer experiment being performed on human beings. This Court should resolve this conflict as prescribed by Supreme Court Rule 10(a).

#### **4. CONFLICT WITH U.S. V. JONES**

The facts of *US v. Jones*, 132 S. Ct. 945 - Supreme Court 2012, are remarkably similar to this Smart Grid case. In *Jones*, the government, without consent, placed a GPS radiation-emitting device on Jones' private vehicle in order to track his movements. Likewise, the government mandates or places Smart Meters on private property without consent for the purpose of gathering information. The *Jones* Court found this to be unconstitutional.

The Smart Grid is a federal program which engages in physical intrusion of private homes and businesses in order to obtain information. The Ninth Circuit's opinion conflicts with this Court's determination that "when the Government *does* engage in physical intrusion of a constitutionally protected area in order to obtain information, that intrusion may constitute a violation of the Fourth Amendment." *US v. Jones*, 132 S. Ct. 945, 951 - Supreme Court 2012 quoting *United States v. Knotts*, 460 US 276, 286 - Supreme Court 1983 The *Jones* opinion was recently upheld again in *ACLU v. Clapper*, United States Court of Appeals for the Second Circuit (Argued: September 2, 2014 Decided: May 7, 2015) Docket No. 14-42-cv. The Ninth Circuit opinion cannot stand. This Court must grant certiorari in accordance with Supreme Court Rule 10(c).

#### **5. CONFLICT WITH SILVERMAN V. UNITED STATES**

In a rare unanimous opinion, the U. S. Supreme Court proclaimed, "At the very core" of the Fourth Amendment "stands the right of a man to retreat into his own home and there be free from unreasonable governmental intrusion." *Silverman v. United States*, 365 U. S. 505, 511 (1961) The Ninth Circuit has decided an "important federal question" in a way that conflicts with this decision. The Ninth Circuit has decided that the Petitioner/Plaintiff has no constitutional right to be free from Smart Meters and Smart Grid radiation in her own home. Yet the Smart Grid is completely unnecessary. For decades, we have had a safe, reliable, and lawful electric grid that supplied us with plenty of energy. The Smart Grid is not necessary for energy distribution and is thus, an "unreasonable government intrusion". In this scenario, relief is authorized under Supreme Court Rule 10(c) and should be granted. Now is the time for this Court to solidify its position as stated in *Silverman*.

#### **6. CONFLICT WITH MANY DISABILITY DECISIONS**

Many veterans, service men, electrical engineers, and ordinary citizens have been disabled by occupational or non-occupational exposure to RF radiation. Most of them have applied for disability compensation through the Veteran's Administration or through state agencies authorized by the Social Security Administration. These applicants are required to submit extensive medical documentation of their injuries. While the state agencies granted compensation to some of these applicants, others were denied benefits and forced to appeal their cases before a state administrative law judge (ALJ). The ALJ represents the state court of last resort for these claims. Likewise, veterans could appeal to the Board of Veterans' Appeals and ultimately to the Federal Circuit. In many of the appeals, benefits were granted.

Arthur Robert Firstenberg of New Mexico, a Westinghouse/Ivy League scholar, was granted disability compensation through the Social Security Administration in 1992 for non-occupational RF radiation injuries. Paul Kasper of West Virginia, a former military electrical engineer, was granted disability compensation for occupational RF radiation injuries through the U.S. Department of Veterans Affairs. These are but two examples by which the Petitioner demonstrates a "compelling reason" for granting certiorari under Rule 10(a) of the Supreme Court. A state court of last resort and a U. S. Court of Appeals have decided to grant federal benefits to persons disabled by RF radiation injuries. The Ninth Circuit has entered a conflicting decision by denying the Plaintiff/Petitioner redress for similar injuries. This Court has a duty to resolve the conflict. Certiorari should be granted.

#### **7. CONFLICT WITH CALIFORNIA SUPREME COURT**

Even if, as the industry claims, there were magically no physical harm from RF radiation, the Defendants would still be liable for psychological injuries and emotional distress. (*Burgess v. Superior Court*, 831 P. 2d 1197 - Cal: Supreme Court 1992) "[W]e conclude that emotional injury may be fully as severe and debilitating as physical harm, and is no less deserving of redress..." (*Molien v. Kaiser Foundation Hospitals*, 616 P. 2d 813,

919 - Cal: Supreme Court 1980) Emotional distress can include “fright, nervousness, grief, anxiety, worry, mortification, shock, humiliation and indignity, physical pain, or other similar distress.” (*Burgess*, supra, Pg. 1085, emphasis added.) Whether the Petitioner/Plaintiff’s injuries are physical or psychological makes no difference for the purpose of awarding compensatory damages. Nor does it affect prospective relief. The Ninth Circuit has issued a decision which conflicts on this issue with several decisions of the California Supreme Court, the state court of last resort. Since the abuses occurred in the State of California, this Court should make a special effort to resolve the conflict between the state and federal courts here. This would help to instill greater confidence in the federal judiciary. Pursuant to Supreme Court Rule 10(a), this Court should grant certiorari.

## **INTERVENING CHANGES IN LAW**

Because this is a rapidly developing, cutting edge issue, several pivotal decisions have been entered since arguments were filed in the District Court. These include the landmark decisions in *ACLU v. Clapper* and *Burwell v. Hobby Lobby*. In accordance with longstanding precedent, intervening changes in law must be considered. A party is entitled to the benefit of changes in the law that occur before a decision becomes final. See, e.g., *Plaut v. Spendthrift Farm, Inc.*, 514 U.S. 211, 226-27 (1995); *Harper v. Va. Dep’t of Taxation*, 509 U.S. 86, 96-97 (1993); *United States v. Schooner Peggy*, 5 U.S. (1 Cranch) 103, 109-110 (1801); cf. *Lawrence ex rel. Lawrence v. Chater*, 516 U.S. 163, 166-68 (1996).

### **1. ACLU V. CLAPPER**

Just last month, the Second Circuit struck down the National Security Agency’s (NSA) mass collection of Americans’ phone records as unconstitutional. (*ACLU v. Clapper*, United States Court of Appeals for the Second Circuit (Argued: September 2, 2014 Decided: May 7, 2015) Docket No. 14-42-cv. The government may seek certiorari. If so, these two (or more) cases may be consolidated allowing this Court to examine the similar constitutional issues.

The ACLU alleged both First and Fourth Amendment violations. The Second Circuit found that the data collection, which violated constitutional rights, was never justified by Section 215 of the Patriot Act of 2001. Likewise, Petitioner proposes that the Smart Grid clause of the Energy Independence and Security Act of 2007 does not justify the constitutional abuses of the California Smart Grid, as implemented by the CPUC.

### **2. BURWELL V. HOBBY LOBBY**

This recent opinion established two important principles: 1) that a fictitious person has legally cognizable religious beliefs if it is “closely held”, i.e. more than 50% owned by less than 5 natural persons and 2) that a provision of the Affordable Care Act violated the Religious Freedoms Restoration Act of 1993 (RFRA) because it was not done in the “least restrictive way”. (*Burwell v. Hobby Lobby Stores, Inc.*, 134 S. Ct. 2751 - Supreme Court 2014) While most natural persons find the first item to be ludicrous, it is the law of the land. As stated above, the Petitioner is also a fictitious person (DBA Celeste). Celeste is more than 50% owned by one person, the Petitioner. Therefore, she should be accorded the same privileges as Hobby Lobby. Her religious beliefs should ascend to the same legally cognizable status as those of Hobby Lobby.

The California Smart Grid is obviously not the “least restrictive way” to distribute and measure energy. The previous electric grid accomplished this goal in a less restrictive way. Therefore, the California Smart Grid must be enjoined under RFRA or the Free Exercise Clause and replaced by the safe analog grid which has worked flawlessly for decades. The Ninth Circuit decision is not yet final as this Court still has an opportunity for review. This Court must grant certiorari in accordance with *Plaut, supra*, and the doctrine of stare decisis.

## **THE JUDGMENT IS VOID**

As it stands the judgment is void. The Ninth Circuit found no jurisdiction and yet proceeded to exercise jurisdiction, dismissing Defendants SDG&E and Itron with prejudice. A void judgment invites collateral attack.

This Court should exercise its supervisory power pursuant to Supreme Court Rule 10(a) to restore the dignity and stature of our nation's judiciary. Under these circumstances, certiorari must be granted.

## **CONFLICT WITH OTHER JURISDICTIONS**

Although not controlling, other jurisdictions have decided similar RF radiation issues in a manner conflicting with the Ninth Circuit. The Petitioner presents this information only to demonstrate the magnitude of the problem, in hopes that this will assist the Court in its certiorari determination. As society grapples with this technological encroachment, the U. S., as the leader of the free world, should offer some direction from its highest court.

### **1. MUNICIPALITIES BAN SMART METERS**

Many municipalities across the country have enacted legislation in opposition to Smart Meters. In California alone, to date, 57 local governments have banned Smart Meters. Many have criminalized their installation. The utilities have ignored these public mandates, foisting these radiation-emitting devices on the residents in violation of local ordinances.

Smart Meters have instigated a power struggle between local governments and states. In this epic battle, the municipalities and other subdivisions have championed the will of the people, while the states have become the psychopathic Goliaths beholden only to their corporate masters. States have succumbed to the regulatory capture of their public utilities commissions. Corporate profit motives have displaced the common good. California, the most populous state in the union, is the epicenter of this upheaval.

The misconduct at the CPUC is the most egregious of any state public utilities commission. California was one of the first states to institute a Smart Grid. Other states followed reading from the same sordid script. The industry handpicked, groomed, and padded the pockets of the man who would lead the efforts, former CPUC President, Defendant Peevey. It is most fitting that the Supreme Court hears a Smart Grid case from California. This controversy provides a suitable vehicle. Certiorari should be granted.

### **2. ITALIAN COURT FINDS RF RADIATION CAUSES CANCER**

The Supreme Court of Italy was the first high court in the world to find a causal link between cell phone radiation and cancer on October 18, 2012. As we know, this is a matter of fact, not law. Thus, the differences between Italian law and American law are of no consequence. The court relied on the research of Dr. Lennart Hardell. Scientific truth knows no national borders. "In upholding the lower court's decision, the Supreme Court held 'that scientific evidence advanced in support of the claim was reliable'..." (See [http://www.loc.gov/lawweb/servlet/lloc\\_news?disp3\\_1205403378\\_text](http://www.loc.gov/lawweb/servlet/lloc_news?disp3_1205403378_text))

### **3. CANADIAN COURT RULES FOR PLAINTIFFS IN RF RADIATION CASE**

On January 27, 2014 the Supreme Court of Nova Scotia overturned summary judgment and issued a ruling against a telecommunications provider, allowing the plaintiffs to go to trial. The plaintiffs were injured and lost their home when a cell phone tower was erected on their property. (*Pettipas v. Bell Alliant Regional Communications, Inc. 2014 NSSC 25 (CANLII)*)

### **4. CANADA RETHINKS RF EXPOSURE LIMITS**

"A Canadian Parliamentary Committee today [June 17, 2015] issued a report with 12 recommendations for increased caution, investigations, reporting and data gathering with regard to RF/EMF and wireless devices... Canada's Safety Code 6 providing guidelines for RF exposure is virtually identical to the 1996 FCC guidelines in the US." (See <http://www.mainecoalitiontostopsmartmeters.org/2015/06/canadian-parliamentary-health-committee-calls-for-review-of-guidelines-related-to-wireless-technologies/>)

### **5. FRANCE BANS WI-FI IN NURSERIES**

On January 29, 2015, France took the lead in protecting health and ensuring rights by enacting ground-breaking legislation. “Today the French Parliament passed a law addressing electromagnetic fields and electromagnetic hypersensitivity. While the new law does not go nearly far enough, it is the first of its kind in the world. Among its provisions are the following: ...Wireless internet is prohibited in places dedicated to the welcome, rest, and activities of children under 3 years of age. Wireless access for internet in elementary schools must be disabled when not in use for teaching. One year from today, the government shall submit to the Parliament a report on electromagnetic hypersensitivity.” (See <http://takebackyourpower.net/2015/02/france-new-law-bans-wifi-in-daycares-restricts-wireless-infrastructure/>)

## **6. OVER 200 SCIENTISTS FROM OVER 40 COUNTRIES ADVISE PRECAUTION**

“New York, NY, May 11, 2015. Today 190 scientists from 39 nations submitted an appeal to the United Nations, UN member states and the World Health Organization (WHO) requesting they adopt more protective exposure guidelines for electromagnetic fields (EMF) and wireless technology in the face of increasing evidence of risk. These exposures are a rapidly growing form of environmental pollution worldwide.” The roster has already surpassed 200 and continues to grow. (See [http://emfscientist.org/images/docs/EMF\\_Scientist\\_Press\\_Release.pdf](http://emfscientist.org/images/docs/EMF_Scientist_Press_Release.pdf))

## **7. HEALTH RISK FROM WIRELESS? THE DEBATE IS OVER.**

Top Scandinavian scientists pronounce an end to the controversy. An April 25, 2014, assessment by Drs. Olle Johansson of Sweden and Einar Flydal of Norway finds that the biological effects are no longer subject to debate. RF radiation is indisputably harmful to humans. “Politicians should now take a look at how to get rid of the old ‘avoid getting burnt’ paradigm that still reigns with the authorities engaged in radiation protection (‘How long may you stand or sit in front of a radar before getting burned?’), and replace it with limits based on public health (‘How far down may we bring the limits before paralyzing vital societal functions?’).

Governments should take a look at how to follow up such a shift to minimal limits. Surely, there will be a lot of regulations to revise, and much food for lawyers.” (See <http://electromagnetichealth.org/electromagnetic-health-blog/article-by-professor-olle-johansson-health-risk-from-wireless-the-debate-is-over/>) This is the moment for Supreme Court intervention.

## **8. PAPAL ENCYCLICAL URGES GOOD STEWARDSHIP**

On June 18, 2015, Pope Francis, the head of the Catholic Church, released an encyclical addressing man-made pollution and urging better stewardship of the earth. “The pope is almost saying: ‘You may not believe in God, but if you believe in ecology, you can’t ignore this.’ ” (See [http://www.washingtonpost.com/local/an-italian-draft-of-pope-francis-environmental-paper-leaks--setting-off-scurry-to-google-translate/2015/06/15/89af0012-1379-11e5-9ddc-e3353542100c\\_story.html](http://www.washingtonpost.com/local/an-italian-draft-of-pope-francis-environmental-paper-leaks--setting-off-scurry-to-google-translate/2015/06/15/89af0012-1379-11e5-9ddc-e3353542100c_story.html)) With 1.2 billion members worldwide and six out of nine Justices of this Court, the Catholic Church is sending a powerful message in support of the Petitioner’s plea.

The Petitioner was born into the Catholic Church, baptized and confirmed. Shortly after confirmation, at age thirteen, she broke with the Church over the institutionalized rape and sexual abuse of children, the subjugation of women, the worship of persecution and suffering, the infallibility of the pope, the unjust arbitrary and capricious conduct, and other issues. She developed her own religion, “Do No Harm”. It seems that the Catholic Church is now coming around, as should this Court.

## **INTEREST OF THE AMICI**

Numerous amici curiae are expected to file supporting briefs. This matter may well inspire briefs from distinguished constitutional scholar and Harvard Law School professor of ethics, Lawrence Lessig, Vermont Senators Patrick Leahy and Jim Jeffords, and public interest groups such as the American Civil Liberties Union (ACLU), the Cellular Phone Task Force, EMF Safety Network, The Utilities Reform Network (TURN), Californians for Renewable Energy (CARE), and others. Lawrence Lessig is actively involved in RF radiation litigation, representing the City of Berkeley in defense of the Cell Phone Right to Know Act, which he also co-

Hazards of Toxic Cell Phones, Wireless Devices, Etc – Book One 84 August 17, 2016

drafted. The Vermont Senators have appeared as amici to this Court in a 1997 action by the Cellular Phone Task Force to revisit the FCC's RF radiation exposure limits. The EMF Safety Network, TURN, and CARE have all filed actions with the CPUC to stem the tide of Smart Grid abuses. CARE has previously supported Petitioner in this action.

### **PETITIONER DEMONSTRATES RIPENESS AND STANDING**

Petitioner/Plaintiff has sustained, continues to sustain, and will sustain direct injury or harm as a result of the California Smart Grid. This harm is redressable under 42 U.S.C. ss. 1983, 1985 and 1986 as well as other federal statutes such as RFRA. (*Flast v. Cohen*, 392 U.S. 83 (1968)) The claim is ripe for judicial review by this court as the administrative decisions have been formalized and their effects felt in a concrete way. (*Abbott Laboratories v. Gardner*, 387 U.S. 136 (1967)) The California Smart Grid has been installed, causing Petitioner to suffer bodily injury as well as abridgment of federal rights.

The Complaint "does present an 'actual controversy' within the meaning of the Declaratory Judgment Act, 28 U. S. C. § 2201, that is ripe for decision. The test to be applied, of course, is the familiar one stated in *Maryland Casualty Co. v. Pacific Coal & Oil Co.*, 312 U. S. 270, 273 (1941): 'Basically, the question in each case is whether . . . there is a substantial controversy, between parties having adverse legal interests, of sufficient immediacy and reality to warrant the issuance of a declaratory judgment.'" *Lake Carriers' Assn. v. MacMullan*, 406 US 498, 506 - Supreme Court 1972. Petitioner demonstrates both standing and ripeness in this controversy. Certiorari should be granted.

### **CONCLUSION**

A Supreme Court opinion in this case would help to define the constitutional limits of government-mandated spying. It would restore confidence in the personal, property, and privacy rights of all citizens. It would also create an atmosphere of greater economic certainty, particularly vis-à-vis future investments in the IT industry. This multi-trillion dollar industry needs to know how far they can lawfully extend their business of electronic data collection. Several recent events have markedly pared back their reach, including the sunset of the Patriot Act and the *ACLU v. Clapper* opinion. The participation of the highest court in this dynamic debate would be most welcome. This Court should allow these momentous issues to be fully briefed. With such high stakes on both sides, all parties and numerous amici should be given the opportunity to state their positions and air their concerns. At the very least, the Petitioner should be accorded full and fair hearing on the merits. This Court should grant the Petition.

### **VERIFICATION**

I, Deborah Cooney, verify and declare that the factual statements in the foregoing Petition for a Writ of Certiorari are true and correct to the best of my knowledge and belief, under penalty of perjury under the laws of the United States.

Respectfully submitted,

Date: June 21, 2015

Deborah Cooney, Petitioner in Propria Persona

**From:** Andrew Michrowski <paceincnet@gmail.com>

**Sent:** Thursday, July 16, 2015 1:07 PM

**Subject:** Fwd: Fw: Groundbreaking Research: Mobile Phones Scramble Brain Waves

## Groundbreaking Research: Mobile Phones Scramble Brain Waves

This aspect of wireless technologies ability to entrain brainwaves as well as heart pulsation was well studied – and subject of great internal controversy, annoyance & frustration – by a core group of the **I.E.E.E.** (Institute of Electric and Electronic Engineers) directors before they eventually gave the go-ahead to the US government (**FCC**) for the commercialization of such devices, circa 1990, according to numerous private communications that we had with their international directors.

Note also the valuable link to the **Scientific American** 2006 article about entrainment.

Andrew Michrowski

<http://www.greenmedinfo.com/blog/brain-wave-warping-effect-mobile-phones-study-reveals>

**From:** Andrew Michrowski <paceincnet@gmail.com>

**To:** Essentia <essentia@essentia.ca>

**Cc:**

**Sent:** Tuesday, August 18, 2015 12:12 PM

**Subject:** Fwd: Human biology evermore exposed

### Human Biology Evermore Exposed

From: **Andrew Michrowski** <paceincnet@gmail.com>

Date: Tue, Aug 18, 2015 at 12:36 PM

Subject: Fwd: Human biology evermore exposed

Note that the reason why the **National Research Council / Queen's University** in 1971 were so extensively studying EMFs was to assess, amongst other variables, what impact on Canadians would the introduction of a magnetic levitation train network (Quebec City to Windsor corridor) have.

Now we facing up not just a EM grid for trains but that for automotive vehicles + drones in additions to the transmission lines and the wireless / satellite microwave emissions – without any such prior assessment / evaluation as was so adeptly carried out more than 40 years ago by my colleague, Dr. **John A. Tanner**, as head of the multi-year NRC team effort, which included interaction internationally, especially from Eastern Europe and Russian medical scientist colleagues of his.

Andrew Michrowski

From: **Olle Johansson**

Date: Tue, Aug 18, 2015 at 8:54 AM

Subject: SV: Human biology evermore exposed

To: PACE Geneva <pace4geneva@gmail.com>, Dr Michrowski <paceincnet@gmail.com>

Hmmmm... Where will it take mankind?

With my very best regards

Yours sincerely

Olle

(Olle Johansson

The Experimental Dermatology Unit

Hazards of Toxic Cell Phones, Wireless Devices, Etc – Book One 86

August 17, 2016

Department of Neuroscience  
Karolinska Institute  
171 77 Stockholm, Sweden)

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Från: PACE Geneva [pace4geneva@gmail.com]  
Skickat: den 18 augusti 2015 14:47  
Till: Dr Michrowski; Olle Johansson  
Ämne: Human biology evermore exposed

Losing the battle against EMFs...

The UK is trialing a new road surface that charges your electric car as you drive

<http://www.sciencealert.com/the-uk-is-trialling-a-new-road-surface-that-charges-your-electric-car-as-you-drive>

Joel M. Moskowitz, Ph.D., Director  
Center for Family and Community Health  
School of Public Health  
University of California, Berkeley

### **Electromagnetic Radiation Safety**

Website: <http://www.saferemr.com>  
Facebook: <http://www.facebook.com/SaferEMR>  
News Releases: <http://pressroom.prlog.org/jmm716/>  
Twitter: @berkeleyprc

**From:** Andrew Michrowski <paceincnet@gmail.com>  
**Sent:** Tuesday, August 25, 2015 7:41 PM  
**Subject:** Fwd: Microwave frequency EMFs produce widespread neuropsychiatric effects including depression

### **Microwave Frequency Emfs Produce Widespread Neuropsychiatric Effects Including Depression**

Very important!  
Andrew Michrowski  
From: **Joel MOSKOWITZ** <@berkeley.edu>  
Date: Tue, Aug 25, 2015 at 7:06 PM  
Subject: Microwave frequency EMFs produce widespread neuropsychiatric effects including depression  
To: CHE-EMF <cheemf@lists.healthandenvironment.org>

Pall ML. Microwave frequency electromagnetic fields (EMFs) produce widespread neuropsychiatric effects including depression. J Chem Neuroanat. 2015 Aug 20. pii: S0891-0618(15)00059-9. doi: 10.1016/j.jchemneu.2015.08.001. [Epub ahead of print]

### **Highlights**

- Microwave EMFs activate voltage-gated Ca<sup>2+</sup> channels (VGCCs) concentrated in the brain
- Animal studies show such low-level MWV EMFs have diverse high impacts in the brain
- VGCC activity causes widespread neuropsychiatric effects in humans (genetic studies)
- 26 studies have EMFs assoc. with neuropsychiatric effects; 5 criteria show causality
- MWV EMFs cause at least 13 neuropsychiatric effects including depression in humans

## Abstract

Non-thermal microwave/lower frequency electromagnetic fields (EMFs) act via voltage-gated calcium channel (VGCC) activation. Calcium channel blockers block EMF effects and several types of additional evidence confirm this mechanism. Low intensity microwave EMFs have been proposed to produce neuropsychiatric effects, sometimes called microwave syndrome, and the focus of this review is whether these are indeed well documented and consistent with the known mechanism(s) of action of such EMFs.

VGCCs occur in very high densities throughout the nervous system and have near universal roles in release of neurotransmitters and neuroendocrine hormones. Soviet and Western literature shows that much of the impact of non-thermal microwave exposures in experimental animals occurs in the brain and peripheral nervous system, such that nervous system histology and function show diverse and substantial changes. These may be generated through roles of VGCC activation, producing excessive neurotransmitter/neuroendocrine release as well as oxidative/nitrosative stress and other responses. Excessive VGCC activity has been shown from genetic polymorphism studies to have roles in producing neuropsychiatric changes in humans.

Two U.S. government reports from the 1970's-80's provide evidence for many neuropsychiatric effects of non-thermal microwave EMFs, based on occupational exposure studies. 18 more recent epidemiological studies, provide substantial evidence that microwave EMFs from cell/mobile phone base stations, excessive cell/mobile phone usage and from wireless smart meters can each produce similar patterns of neuropsychiatric effects, with several of these studies showing clear dose-response relationships. Lesser evidence from 6 additional studies suggests that short wave, radio station, occupational and digital TV antenna exposures may produce similar neuropsychiatric effects.

Among the more commonly reported changes are sleep disturbance/insomnia, headache, depression/depressive symptoms, fatigue/tiredness, dysesthesia, concentration/attention dysfunction, memory changes, dizziness, irritability, loss of appetite/body weight, restlessness/anxiety, nausea, skin burning/tingling/dermographism and EEG changes.

In summary, then, the mechanism of action of microwave EMFs, the role of the VGCCs in the brain, the impact of non-thermal EMFs on the brain, extensive epidemiological studies performed over the past 50 years, and five criteria testing for causality, all collectively show that various non-thermal microwave EMF exposures produce diverse neuropsychiatric effects.

<http://1.usa.gov/1NHjoLG>

## Excerpts

**Table 4. Commonly Reported Neuropsychiatric Symptoms following Microwave EMF Exposure**

| Symptom(s)                                                          | Numbers of studies reporting |
|---------------------------------------------------------------------|------------------------------|
| Sleep disturbance/insomnia                                          | 17                           |
| Headache                                                            | 14                           |
| Fatigue/tiredness                                                   | 11                           |
| Depression/depressive symptoms                                      | 10                           |
| Dysesthesia (vision/hearing/olfactory dysfunction)                  | 10                           |
| Concentration/attention/cognitive dysfunction                       | 10                           |
| Dizziness/vertigo                                                   | 9                            |
| Memory changes                                                      | 8                            |
| Restlessness/tension/anxiety/stress/agitation/feeling of discomfort | 8                            |
| Irritability                                                        | 7                            |

| Symptom(s)                                       | Numbers of studies reporting |
|--------------------------------------------------|------------------------------|
| Loss of appetite/body weight                     | 6                            |
| Skin tingling/burning/inflammation/dermographism | 6                            |
| Nausea                                           | 5                            |

**From:** Andrew Michrowski <paceincnet@gmail.com>

**To:**

**Sent:** Monday, September 21, 2015 12:08 PM

**Subject:** Fwd: Some Genes Are Sensitive to Long-Term, Low-Level Microwave Exposure

### **Some Genes Are Sensitive to Long-Term, Low-Level Microwave Exposure**

From: **Joel MOSKOWITZ** < @berkeley.edu>

Date: Mon, Sep 21, 2015 at 2:53 PM

Subject: Some Genes Are Sensitive to Long-Term, Low-Level Microwave Exposure

To: CHE-EMF <cheemf@lists.healthandenvironment.org>

### **The Screening of Genes Sensitive to Long-Term, Low-Level Microwave Exposure and Bioinformatic Analysis of Potential Correlations to Learning and Memory**

Zhao YL, Li YX, Ma HB, Li D, Li HL, Jiang R, Kan GH, Yang ZZ, Huang ZX. The Screening of Genes Sensitive to Long-Term, Low-Level Microwave Exposure and Bioinformatic Analysis of Potential Correlations to Learning and Memory. *Biomed Environ Sci.* 2015 Aug;28(8):558-570.

#### **Abstract**

**OBJECTIVE:** To gain a better understanding of gene expression changes in the brain following microwave exposure in mice. This study hopes to reveal mechanisms contributing to microwave-induced learning and memory dysfunction.

**METHODS:** Mice were exposed to whole body 2100 MHz microwaves with specific absorption rates (SARs) of 0.45 W/kg, 1.8 W/kg, and 3.6 W/kg for 1 hour daily for 8 weeks. Differentially expressing genes in the brains were screened using high-density oligonucleotide arrays, with genes showing more significant differences further confirmed by RT-PCR.

**RESULTS:** The gene chip results demonstrated that 41 genes (0.45 W/kg group), 29 genes (1.8 W/kg group), and 219 genes (3.6 W/kg group) were differentially expressed. GO analysis revealed that these differentially expressed genes were primarily involved in metabolic processes, cellular metabolic processes, regulation of biological processes, macromolecular metabolic processes, biosynthetic processes, cellular protein metabolic processes, transport, developmental processes, cellular component organization, etc. KEGG pathway analysis showed that these genes are mainly involved in pathways related to ribosome, **Alzheimer's disease**, **Parkinson's disease**, long-term potentiation, **Huntington's disease**, and Neurotrophin signaling. Construction of a protein interaction network identified several important regulatory genes including synbindin (sbdn), Crystallin (CryaB), PPP1CA, Ywhaq, Psap, Psmb1, Pcbp2, etc., which play important roles in the processes of learning and memory.

**CONCLUSION:** Long-term, low-level microwave exposure may inhibit learning and memory by affecting protein and energy metabolic processes and signaling pathways relating to neurological functions or diseases.

<http://1.usa.gov/1FYb6IF>

### **Excerpts**

Mice were divided randomly into exposure and sham groups (6 animals/group), with the exposure groups further divided into groups 1, 2, and 3, with average whole-body SARs of 0.45 W/kg, 1.8 W/kg, and 3.6 W/kg. Subjects were placed at a distance of 30 cm from the exposure source at power densities of 1, 4, and 8 mW/cm<sup>2</sup>. The SAR calculation was based on the finite difference time domain (FDTD) method. Animals in the exposure groups were placed in polypropylene cages with apertures and partitions. Mice whole bodies were exposed to microwaves, with their body axes oriented in parallel to the electric field polarization for 1 h daily in a temperature controlled room at a continuous frequency of 2100 MHz for 8 weeks. To negate any other type of psychophysiological effects, sham group animals were processed in parallel to the exposed groups, but without microwave exposure. After irradiation, RNA was extracted from each brain independently, with RNA from each group pooled prior to gene microarray analysis. Three RNA samples from the 3.6 W/kg group were utilized for RT-PCR.

### **Conclusion**

Microwave exposure is speculated to decrease LTP induction, increase LTD induction, disrupt the balance of LTD and LTP, reduce dendrite spines formation, affect the inflammatory response and impact early AD responses by the directly or indirectly modulating important pathway regulatory molecules, eventually impairing learning and memory. Among the pathways affected by microwaves, the LTP and LTD pathways were affected the most. The most notable genes were *sbdn* and *Cryab*, since they responded sensitively to microwaves at all 3 SAR levels. Microwaves are thought to inhibit learning and memory by *sbdn* mediating LTP and dendrite formation, while *Cryab* mediates inflammation and early AD reactions. These findings provide important clues into the mechanisms and possible counter measures pertaining microwave induced learning and memory inhibition (Figure 5). However, more research is required to further characterize the roles of both the known or unknown genes and how they function in microwaves affecting learning and memory.

This work was supported by SN03-2 from the Astronaut Research and Training Center of China.

Joel M. Moskowitz, Ph.D., Director  
Center for Family and Community Health  
School of Public Health  
University of California, Berkeley

### **Electromagnetic Radiation Safety**

Website: <http://www.saferemr.com>  
Facebook: <http://www.facebook.com/SaferEMR>  
News Releases: <http://pressroom.prlog.org/jmm716/>  
Twitter: @berkeleyprc

**From:** Andrew Michrowski <paceincnet@gmail.com>

**To:**

**Sent:** Sunday, November 15, 2015 6:00 AM

**Subject:** Fwd: Japan Study Shows Health Effects from Cell Towers. Wireless Radiation Causes Oxidative Stress, leading to cancer and non-cancer problems

## **Japan Study Shows Health Effects from Cell Towers. Wireless Radiation Causes Oxidative Stress, Leading To Cancer And Non-Cancer Problems**

From: Angela < @gmail.com>

Date: Sat, Nov 14, 2015 at 6:45 PM

Subject: Fwd: Japan Study Shows Health Effects from Cell Towers. Wireless Radiation Causes Oxidative Stress, leading to cancer and non-cancer problems

*Children are vulnerable because their brains and bodies are developing.*

*Microwave RF radiation was classified as a WHO IARC 2B possible carcinogen in 2011, and the same experts who made this classification believe there is enough evidence to upgrade it to class 2A probable carcinogen now.*

*We should be limiting exposure instead of saturating our children with it, putting them at risk for UNKNOWN health effects.*

*(WHO IARC = World Health Organization International Agency for Research on Cancer)*

*Even though cell phone instructions say use a hands free device, do not carry close to the body, and do not hold to your head because they may exceed FCC limits. In that instance, the US government (FCC) does not publicize this information nor mandates advertising to demonstrate this, leaving most people unaware of potential hazards and allowing their infants and children to play with them like toys.*

*FCC compliance does not equal safety. FCC's 30-year old limits only protect your body's tissues from heating damage, and does not protect against all other bioeffects that have been demonstrated in peer-reviewed scientific studies.*

*Other governments, including Russia and China, recognize other bioeffects, and thus have limits 100 times lower than ours. Don't forget how long it took our government to take action on tobacco, asbestos, and X-rays.*

A documentary is in the works regarding scientific research on the effects of wireless radiation. Here's the trailer, a short 3-minute video – <https://www.youtube.com/watch?v=GmD78iqHsSY>

Below are 2 very interesting studies

### **1) Japan Study Shows Statistically Significant Health Effects from Cell Tower Antennas**

Residents of a condominium building that had cell tower antennas on the rooftop were examined before and after cell tower antennas were removed. In 1998, 800MHz cell antennas were installed, then later in 2008 a second set of antennas (2GHz) were installed. After the owner of the condo withdrew its permission, the antennas were deactivated in 2009. Medical exams and interviews were conducted before and after the antennas were removed on 107 residents of the building who had no prior knowledge about possible adverse health effects of RFR. **After their removal, the number of people who had symptoms decreased from 41 to 15, which was statistically significant. The symptoms that decreased in statistical significance after their removal were: tinnitus (ringing in the ears), fatigue, eye pain, sleep problems, dizziness/vertigo, jitteriness, headache, nosebleeds, numbness, and shoulder stiffness**

**Read the study here**

<https://elettrosensibili.wordpress.com/2015/10/14/significant-decrease-of-clinical-symptoms-after-mobile-phone-base-station-removal-signifikanter-ruckgang-klinischer-symptome-nach-senderabbau/>

## 2) July 2015: Microwave RF Radiation causes Oxidative Stress. How Non-Ionizing Radiation can cause DNA Damage

Only ionizing radiation (e.g. X-rays, Gamma rays) can directly damage DNA because it carries enough energy to directly ionize atoms and molecules. However, recent research has shown that there are other mechanisms (oxidative stress) by which DNA can be indirectly damaged by non-ionizing radiation, which is what microwave RF radiation is.

In July 2015, a review of existing studies on radiofrequency radiation (RFR) was published by National Academy of Sciences in Ukraine, Indiana University, and the University of Campinas in Brazil. Based on "93 out of 100 peer-reviewed studies", it concluded that *low-intensity RFR [radiofrequency radiation] is an expressive oxidative agent for living cells with a high pathogenic potential, and that oxidative stress induced by RFR exposure should be recognized as one of primary mechanisms of biological activity of this kind of radiation.*

*This explains a range of biological/health effects of low-intensity RFR, which includes both cancer and non-cancer pathologies."*

*"Indoor RFR increased 5000 times from 1985 to 2005. Long-term RFR exposure can cause various disorders: headaches, fatigue, depression, tinnitus, skin irritation, hormonal disorders [including high stress hormone levels]. Convincing studies in hazards of RFR in human germ cells [sperm cells] have been published."* Other effects mentioned in the review: *sleep disorders, skin and mucosa related symptoms (itching, allergic reactions)*

Here are the **mechanisms** by which these effects happen:

- Reduced iron chelation with ferrozine (ferritin affected)
- Increased intracellular calcium ions (Ca<sup>2+</sup>)
- Dissociation of water molecules, generating H and OH radicals, H<sup>+</sup> and OH<sup>-</sup> groups. (OH radical is the most aggressive form of ROS, Reactive Oxygen Species)
- Oxidative Damage of DNA caused by OH radical and other ROS
- Perturbation of cellular signaling caused by free radicals induced by RFR

There is an increase in the number of people with EHS (electrohypersensitivity). EHS is like an allergy to RFR, and presents with skin and mucosoid symptoms, heart or nervous system disorders. In an allergic reaction to RFR, there is a significant increase in the level of mast cells in the skin of persons when exposed to EMF, and also a higher level of degranulated mast cells. These activated mast cells release histamine, leading to an allergic reaction (itching, rash).

**0.06% of the total population had EHS in 1985. In 2006, 9-11% of the European population has EHS. In Sweden, EHS is an officially recognized health impairment.**

You can read this review

here: <http://nebula.wsimg.com/107f00a88ae36803a132e3ca6c222157?AccessKeyId=045114F8E0676B9465FB&disposition=0&alloworigin=1>

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You received this message because you are subscribed to the Google Groups "emfcontacts" group.

**From:** Angela < @gmail.com>

**To:**

**Sent:** Thursday, March 3, 2016 8:23 PM

**Subject:** EHT New Website. X-rays. Canadian Report. NIH Rat Study. 700 Cell Phone studies, 78 Cell Tower Studies.

Please note that I will now be going by Angela and changing my email address for all matters related to wireless – please change your contact info. for me to @gmail.com. My current email address is nearing capacity – I will continue to use that only for personal mail. Please update your contact list for me. Thank you!

Environmental Health Trust's entire website has been updated and looks incredible! Check out their new webpages:

- FCC standards, why they don't protect and explanations – <http://ehtrust.org/policy/fcc-safety-standards/>
- Scientific research, organized by effects on reproduction, cognition and memory, brain/nervous system, increased cancer risk, behavioral issues, hearing loss, headaches, sleep, oxidative stress, genotoxic effects, endocrine system damage, heart disruption, children and pregnant women  
<http://ehtrust.org/science/research-on-wireless-health-effects/>
- Cell Towers and Research <http://ehtrust.org/science/cell-towers-and-cell-antennae/>
- Schools and teacher unions around the world taking action on wireless <http://ehtrust.org/policy/schools-unions-and-pta-actions/>

Lesson from History: X-raying fetuses, Children playing with X-rays.

X-rays were discovered in 1895, and in addition to necessary medical uses, they were used to size for shoes in 1930s and '40s (pedascopes/fluoroscopes, which children found amusing to play with while their parents shopped at department stores), for cosmetic hair removal in the '40s, and for checking fetal development. From 1953-1956 Dr. Alice Stewart (physician and professor of medicine at Oxford University) found that x-raying fetuses was a cause of childhood cancer (her data showed that x-raying a fetus in the first trimester increased chances of childhood leukemia by 50%), but her results were regarded as unsound and disbelieved until 25 years later, when there was undeniable conclusive data, before the practice of x-raying pregnant women and young children was curtailed, not until the late 70s! This is just one example where technologies throughout history are massively deployed before they are fully understood only to discover harmful health effects later – look at the mistakes made with asbestos, tobacco, lead, agent orange, pharmaceuticals that get recalled for serious harm... and there will continue to be more mistakes now and in future because government public health policy has not changed.

The USA NIH National Toxicology Program is conducting the largest rat study on cell phones and wireless in the world. NTP officials shared an update to Congress at the 2009 Cell Phone radiation hearings, stating *"little is known about potential health effects of long term exposure"*. So far, no other information has been publicly shared, the study is years behind schedule (results were supposed to be reported in 2013/4) and the results are still unknown. This video has excerpts from that hearing to share what is known about the research study - [https://www.youtube.com/watch?v=EDYTo7dHrI4&feature=em-subsub\\_digest](https://www.youtube.com/watch?v=EDYTo7dHrI4&feature=em-subsub_digest)

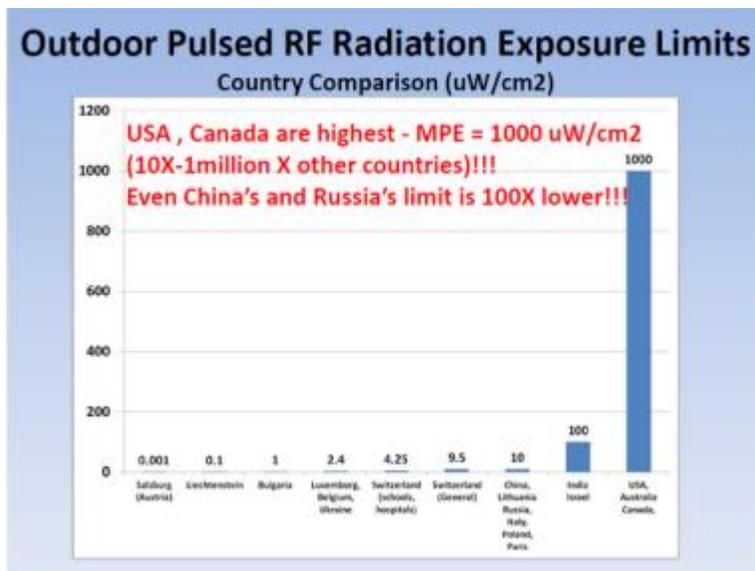
Please watch these excellent stories on Wi-Fi from 2 Canadian Investigative Reports done in 2010 – over ~120,000 views <https://www.youtube.com/watch?v=KN7VetsCR2I>

- Children complain of headaches, heart racing, nausea
- Measurements in a classroom with laptops running off Wi-Fi and in the hallway are done
- Blind test on an electrosensitive man – when Wi-Fi router is on, his heart races; when it is turned off, his heart returns to normal
- No studies have been done on effects of Wi-Fi on kids
- Dr. Stephen Sinatra, cardiologist, says Wi-Fi is toxic
- Dr. David Carpenter, Harvard MD, says Wi-Fi is hurting our children
- In 2009 Wi-Fi were removed from schools and public buildings in Herouxville-St. Clair, France, installed fiber optic system instead, after people became ill from Wi-Fi

According to the American Academy of Environmental Medicine: **The Wi-Fi systems in schools are typically hundreds of times more powerful than home consumer systems.** They are necessarily more powerful because they are required to run hundreds of computers simultaneously. They are also exposing children most vulnerable to microwave radiation – to extended periods all day, for their entire childhood. This is an unprecedented exposure with unknown outcome on the health and reproductive potential of a generation. **Statistics show that you can expect an immediate reaction in 3% of your students and time-delayed reactions in 30% of them.** This will also include teachers. Read the letter here <https://www.aeemonline.org/pdf/LettertoLAUSD.pdf>

## RF radiation Limits by Country – USA, Canada, and Australia are highest

See chart below – their limits are **thermal limits** – meaning that the limit is based on the amount of microwave radiation required to heat body tissues. At exposure to  $1000 \text{ uW/cm}^2$  for 30 minutes, your body would experience heating effects. US, Australia, Canada recognize heating effects as the only negative effect coming from microwave radiation. Therefore, USA, Canada, and Australia standards mean that the governments of these countries are not concerned about any levels below  $1000 \text{ uW/cm}^2$ . But look at all the countries that are concerned with levels below  $1000 \text{ uW/cm}^2$  - China, Switzerland, Austria, Bulgaria, Belgium, Russia, Italy, Poland, Liechtenstein, Ukraine. However, the 2012 Bioinitiative Report, which is a meta-analysis of 3800 peer reviewed studies written by 39 MD's and/or PhD's around the world, says that **negative health effects begin as low as  $0.003$  (3 thousandths)  $\text{uW/cm}^2$** . **Areas within 1500 ft of a cell tower or within close proximity to a Wi-Fi router measure between  $0.1\text{-}1 \text{ uW/cm}^2$** .



Negative health effects in this range include headaches, memory and concentration problems, sperm defects, sleeping problems, other neurological effects, increased stress hormones and twice the risk of leukemia. See Bioinitiative Report's color chart to see the health effects at these levels <http://www.bioinitiative.org/report/wp-content/uploads/pdfs/BioInitiativeReport-RF-Color-Charts.pdf>. In my backyard or in the parking lot of a school which does not have a cell tower close by, background RF levels are as low as  **$0.0003$  (3 ten-thousandths)  $\text{uW/cm}^2$**  (see attached file PixRFReadings which shows the RF levels near a cell tower, in my backyard and in the parking lot of a school with no cell tower nearby) The FCC limit of  $1000 \text{ uW/cm}^2$  is very high – one can live close to over

500 cell towers and still not exceed this level (since 1 cell tower emits  $1 \text{ uW/cm}^2$  per my measurement, 500 cell towers would be  $500 \text{ uW/cm}^2$  at most). **So even though cell towers and Wi-Fi routers are compliant to FCC's limits, the areas around them are still 1000 times higher in RF levels than background levels, and FCC limits are over 1 million times higher than background levels. So FCC compliance means only that there is not enough microwave radiation emitted to heat your body's tissues, and FCC's thermal limit does not protect you from bioeffects that have been demonstrated in peer reviewed studies.**

**Below are 2 reports – 700 cell phone studies and 78 cell tower studies compiled by Kevin Mottus, social worker formerly with LAUSD (LA Unified School District)**

They are very well organized according to effect.

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**From:** Andrew Michrowski <paceincnet@gmail.com>

**To:**

**Sent:** Thursday, March 10, 2016 12:30 PM

**Subject:** Fwd: Déjà vu – typical media and "science" (Montreal Polytechnic & U of Sherbrooke) ridicule of effects of EMF on humans – Re: Fw: Ce soir .... l'électrosensibilité - télé-Québec

**Déjà vu – typical media and "science" (Montreal Polytechnic & U of Sherbrooke) ridicule of effects of EMF on humans**

**From:** **Essentia** <essentia@essentia.ca>

**Date:** Thu, Mar 10, 2016 at 2:43 PM

**Subject:** Deja vu - typical media and "science" (Montreal Polytechnic & U of Sherbrooke) ridicule of effects of EMF on humans - Re: Fw: Ce soir .... l'électrosensibilité - télé-Québec

**To:** Lucie <@ergoenergie.com>

Dear Lucie

Thank you for your comment about last evening's journalistis foray on Quebec EMF sensitives.

This documentary reminds me of the situation in 1979, when with local observers (including medical professionals & academe) near Sudbury / Kirkland Lake, Ontario, the auspices of Senator Carter, M.Sc, the then Communications Canada (now Industry Canada/Health Canada Safety Code 6) national EMF monitoring system and constant event monitoring by RCMP officers along the path, I made known publicly the dynamics of a long-distance Extremely Low Frequency emission experiment from the Soviet Union's Gomel magnifying Hazards of Toxic Cell Phones, Wireless Devices, Etc – Book One 95 August 17, 2016

transmitter passing through Northern Ontario onto near Montreal and beyond on a circular route towards the Atlantic. This event involved a slow-moving phenomenon which was observed over several hours for several hundreds of kilometers.

I also described real-time observed effects that this 'low power' non-thermal Soviet experiment induced on human endocrine system, brain waves as well as variations in local weather effects.

The media (TV and print) responded with a joke & ridicule campaign on how citizens should wear capes to shield themselves – almost like the interviewed dark glasses + cape individual on Télé-Québec yesterday evening documentary.

The slant was the whole matter was downplayed as a freak show at that time, while taken quite seriously by intelligent individuals suffering various degrees of electro sensitivity deserve greater respect: They are not clowns nor weirdoes – but victims, possibly over a million in Quebec alone. This is why the class action lawsuit before the Quebec Superior Court merits massive and widespread support:  
<http://collectiveactionquebec.ca>.

Andrew Michrowski (personal statement)

**From:** Angela < @gmail.com>

**To:**

**Sent:** Tuesday, March 22, 2016 9:50 AM

**Subject:** Fwd: Press Release: Google's Loony Experiment Approved by FCC

**Google's Loony Experiment Approved by FCC**

From: **GUARDS** <info@stopglobalwifi.org>

Date: Tue, Mar 22, 2016 at 5:26 AM

Subject: Press Release: Google's Loony Experiment Approved by FCC

To: info@stopglobalwifi.org

Please take a moment to send this around to all your local and national news media. Please also broadcast it using social media. All our press releases can be found at [www.stopglobalwifi.org/PressReleases.html](http://www.stopglobalwifi.org/PressReleases.html).

The direct link for this press release is  
[www.stopglobalwifi.org/documents/GUARDSPressReleaseMarch2016.pdf](http://www.stopglobalwifi.org/documents/GUARDSPressReleaseMarch2016.pdf).

It is very important that people be aware that this experiment is happening. It was the public awareness of the smart meter installation that allowed people to make the connection between their symptoms and the recent smart meter installation. None of these dangerous exposures will stop without public outcry.

Thank you,  
GUARDS

**Global Union Against Radiation Deployment from Space**

[www.stopglobalwifi.org](http://www.stopglobalwifi.org)

**For Immediate Release**

**Date:** March 21, 2016

**Contact:**

Catherine Kleiber, Wisconsin USA, 920-478-969

## Google's Loony Experiment Approved by FCC

On March 17, 2016, the Federal Communications Commission (FCC) gave Google permission to conduct its Project Loon experiments in the U.S., despite evidence it will violate human rights and harm human health and the environment.

Based on details in the application, the experiments may take place at any location and any time or continuously, will pollute public and private environments indoors and outdoors in the U.S. with microwave radiation, and do not include any requirement to notify people in the area who will be exposed to an altered experimental environment.

In ignoring an evidence-packed objection filed by GUARDS to Google, Inc.'s high-altitude balloon-based project, the FCC letter announcing the approval relies on an unsupported assertion by Google, Inc. "Google states that its proposed operations present no meaningful health or environmental risks," says the FCC.

The microwave radiation utilized by wireless technology for communication is part of the radiofrequency (RF) spectrum. Project Loon uses both ground-level and balloon-borne RF-generating equipment designed to encourage proliferation of RF radiation reliant wireless communication systems, particularly in areas formerly without radiation saturation.

Over 200 scientists have signed an Appeal to the United Nations asking for RF limits that are more protective. The Appeal states, "*Numerous recent scientific publications have shown that EMF affects living organisms at levels well below most international and national guidelines. Effects include increased cancer risk, cellular stress, increase in harmful free radicals, genetic damages, structural and functional changes of the reproductive system, learning and memory deficits, neurological disorders, and negative impacts on general well-being in humans. Damage goes well beyond the human race, as there is growing evidence of harmful effects to both plant and animal life.*"

The FCC's RF limits are undergoing revision, slowly. Comments were due in 2013 on the FCC's Notice of Inquiry. Hundreds of comments from citizens who are already suffering from the out-of-control proliferation of microwave radiation in our environment asked the FCC to revise its RF limits to be biologically protective as soon as possible.

Wisconsin farmer Dan Kleiber is one of millions harmed by current RF standards, "*None of the common uses of wireless technology comes close to justifying the monetary, physical, emotional, and social price our family has been forced to pay for it. ... I wonder if I will get to see my sons grow to adulthood together or if one or both will have their lives cut short by the lack of meaningful biologically-based safety limits for radiation from wireless devices. They are sweet intelligent wonderful children and do not deserve to suffer or pay the final price so telecom companies can make more money.*"

The FCC's RF limits are based on the premise that if no thermal (heating) damage occurs, there are no biological effects. The 2012 BioInitiative Report, a review by a global group of experts, refutes that premise, finding, "*Public safety standards are 1,000 – 10,000 or more times higher than levels now commonly reported in mobile phone base station studies to cause bioeffects.*"

Section 15 by Prof. Igor Belyaev, Stockholm University, in the 2012 BioInitiative Report states, "*Our analysis suggests that different (bandwidth, frequency, modulation, polarization) NT MW [non-thermal microwave] signals should be considered as separate agents in setting the safety standards. The data also indicate that*

*duration of exposure may be as important as power density (PD) and specific absorption rate (SAR), and, therefore, the ‘dose’ and duration of exposure should also be considered in safety standards along with PD/SAR.”*

Balyaev’s section of the Report cites studies showing bioeffects at very low radiation levels. China and Russia, as well as other formerly Soviet countries, have RF limits that are one hundred times more protective than the FCC’s RF limits. Salzburg, Austria has RF limits that are one million to ten million times more protective.

The U.S. Congress is complicit in the problem. On September 13, 1995, the Environmental Protection Agency’s Office of Air and Radiation, which had drafted population-protective, biologically-based RF exposure regulations, was de-funded by the Senate Appropriations Committee, which wrote, “*The Committee believes EPA should not engage in EMF activities.*” The FCC has no environmental or health expertise, yet the 1996 Telecommunications Act gave the FCC sole responsibility for setting RF safety limits. At the same time, the Act prohibited municipalities from considering human health or the environment when siting cell towers.

The FCC response to GUARDS’ objections noted, “*Issues regarding the risk of harm to life and property from the balloon potentially crashing or interference with airplane operations are outside the regulatory authority of the FCC and should be referred to the Federal Aviation Administration (FAA) as they have authority over those matters.*” This seems to indicate that the FCC, previously described by Harvard Ethics researchers as a “captured [by those they regulate] agency,” has not bothered to consult with the FAA and prefers to ignore this risk approval could impose. Meanwhile, there are instances of airplane pilots becoming ill, most likely from RF exposure in the cockpit, and of essential cockpit instruments malfunctioning due to RF interference. The safety of aircraft, crew, and passengers seems to be of no concern to the FCC.

GUARDS calls for an urgent reassessment of this situation. The Senate Appropriations Committee must allow the Environmental Protection Agency (EPA) to resume its RF regulatory responsibilities. The FAA must be allowed to put safety first. The FCC should be directed to work with the EPA, the FAA, and other federal agencies tasked with protecting health and the environment before granting unilateral approval of projects with such far-reaching consequences as Google’s Project Loon.

###

**Resources:**

Objection Filed To Google, Inc. License Application at FCC

[https://apps.fcc.gov/els/GetAtt.html?id=170563&x=.](https://apps.fcc.gov/els/GetAtt.html?id=170563&x=)

Global Union Against Radiation Deployment from Space (GUARDS) [www.StopGlobalWiFi.org](http://www.StopGlobalWiFi.org)

EMF Scientists Appeal to the United Nations [www.EMFscientist.org](http://www.EMFscientist.org)

Captured Agency: How the Federal Communications Commission Is Dominated by the Industries It Presumably Regulates [http://ethics.harvard.edu/files/center-for-ethics/files/capturedagency\\_alster.pdf](http://ethics.harvard.edu/files/center-for-ethics/files/capturedagency_alster.pdf)

2012 Bioinitiative Report: [www.bioinitiative.org](http://www.bioinitiative.org)

International RF Limits: <http://www.powerwatch.org.uk/science/intguidance.asp>

**From:** Andrew Michrowski <[paceincnet@gmail.com](mailto:paceincnet@gmail.com)>

**To:**

**Sent:** Sunday, March 27, 2016 5:24 PM

**Subject:** Fwd: FW: Update 2016-03-26 Hydro replacing concrete poles with wooden ones... RF causes metal to corrode more quickly.

**Hydro Replacing Concrete Poles with Wooden Ones... RF Causes Metal to Corrode More Quickly**

Remember, Mtre. Charles O'Brien, when we first noted and carefully monitored, on August 2008, the problem in the brand-new Sutton Quebec underground infrastructure on rue Principal?

Similar observations of advanced corrosion caused by wireless technology, followed by downtown Ottawa daily observation rounds, especially along the underground optoelectronics, or on broadband over distribution & transmission lines, and reported in the meantime, including in my expert witnessing – accepted as evidence by **Tribunal administratif du Québec (TAQ)**, during *Hydro Québec vs organic farmer Tenlec* case of adversely affecting the barn's structure, besides the killing off of piglets at 10% mortality within weeks of exposure?

This problem is likely the principal cause of accelerated corrosion on Pont Champlain, the massive blackout of downtown Calgary and the corrosion of the city's Bow River railroad bridge and disruption of rail services, and could be easily offset with good engineering practise, re-furbishing of metal surfaces with BG – saving billions of dollars in otherwise unnecessary infrastructure massive expenditures.. These fields also affect the surfaces of Parliament of Canada.

When old habits and favourite glamour toys and gimmicks for consumers seem to prevail the common good, for the short and long term of civilization as we know it and try to protect.  
Dr. Andrew Michrowski

PS: Also may apply to the Sherbooke/Rock Forest (Québec) & Lille, France disastrous water tower structural failures associated with accelerated corrosion & multiple frequency microwave emission devices.

From: **Hans** < @telus.net>  
Date: Sun, Mar 27, 2016 at 2:05 PM  
Subject: FW: Update 2016-03-26 Hydro replacing concrete poles with wooden ones... RF causes metal to corrode more quickly.  
To: Andrew Michrowski <paceincnet@gmail.com>

Dear Andrew,

Merry Easter!

Thought the email interest you of course!

Hans

I wonder when all concrete buildings are being replaced as well... J  
Hans

**From:** NO Smart Meters Kelowna [mailto:smartmeterkelowna@gmail.com]  
**Sent:** March-27-16 10:37 AM  
**To:** Dennis and Sharon Noble  
**Cc:** 'linda floyd'; Hans Karow; RonMcNut; 'Chris Clevette'; Bryan Stevenson  
**Subject:** Re: Update 2016-03-26 Hydro replacing concrete poles with wooden ones... RF causes metal to corrode more quickly.

Hi  
Just a note on the concrete poles.

The concrete to wood switch has taken place in Maple Ridge a couple of weeks ago.

The red highlight on the map below.

I noticed that the concrete poles were left in the ditch and looking from the car as we passed, the concrete was broken and rusty re-bar was showing.

I had meant to stop by and take photos, but the poles were taken away before I could get my act together. I suspect that the cement smash in was intentional to allow the technicians to access the corrosion problems on-site.

Also, I had seen articles on this problem about a year ago but had not followed up.

I just did a brief google search and found lots of info on concrete and re-bar weathering and some comments relating to dc currents increasing the corrosion.

Some of the reports were on the re-bar in the cement of parking garages. I suspect that this may be a big issue soon. I wonder if this was an issue for the overpass in Quebec falling down a year or so ago.

I believe that all cement structures that have re-bar and are subject to various electrical assaults from various sources such as high powered transmission lines and transmitters, will suffer from corrosion.

Simple Theory is: RFR or magnetic fields will penetrate cement to some small degree and thus cause currents to flow and the currents cause corrosion. Simple.

I wish we could find more information on the local power pole re-bar corrosion issues. Maybe you could ask readers. Maybe there is someone with more direct experience on this issue that would be willing to contribute.

Also, maybe you could ask readers where else this is happening and ask for photos of the downed pole rust if available.

Cheers

Ted

\*\*\*\*\*

On 3/26/2016 11:43 PM, Dennis and Sharon wrote:

1) Over the last few years, after the smeters started to be installed, **Hydro has changed its poles all over the province, replacing concrete poles with wooden ones.** It's happening in Kelowna now, and I believe that is because the RF radiation increases the rate of corrosion metal suffers. For years Dr. Andrew Michrowski has been warning cities about the effect that the high and increasing levels of microwave radiation will have on infrastructure <http://media.withtank.com/81d0a1eeb1.pdf> Want to bet this expense wasn't included in Hydro's business case??

**[BC Hydro] Q: Why are concrete power poles in Kamloops being changed to wood? - Kamloops This Week - March 25, 2016:**

**- <http://www.kamloopsthisweek.com/q-why-are-concrete-power-poles-in-kamloops-being-changed-to-wood/>**

**From:** Andrew Michrowski <paceincnet@gmail.com>

**To:**

**Sent:** Friday, April 1, 2016 7:42 AM

**Subject:** Fwd: Should we be attempting parameter mapping sonification of our EMF data?

### **Should We Be Attempting Parameter Mapping Sonification of Our EMF data?**

Thank you Mtre Charles O'Brien for bringing this up! And this new item certainly communicates very well an otherwise 'weird' subject ridiculed by authorities and retained in specialist military science & technology circles. Very helpful for 'sonification' is the **ARI** from ESSENTIA , the description of which is enclosed as an attachment that has video links.

In our surveys not only has this instruments recorded 'dirty electricity' issues in indoor wiring, usually due to sharing of indoor wiring for other non-power frequency applications such as compact lighting, fluorescent fixtures, security systems, resistors and switches in multi-locational circuits, hybrid appliances (clocks in stoves, ice maker fridges) etc, but also superimposition of wireless technologies such as SMART meters, broadband on transmissions and distribution lines, satellite links on the power frequency network in 'free space' (beyond the actual surfaces and conductors themselves). Such 'noise' can be actually audible to some, and, so, quite troublesome to individuals thus exposed – to the point of causing injury to well-being and even chronic health issues.

We also have the cases of residents living on top-floor lodgings along airport landing approaches and who have microwave devices, especially activated micro oven circuits and who can actually hear communications between airplanes and airport controllers.

Andrew Michrowski

From: **Charles** < @gmail.com>

Date: Fri, Apr 1, 2016 at 6:42 AM

Subject: Should we be attempting parameter mapping sonification of our EMF data?

To: Andrew Michrowski <paceincnet@gmail.com>, "

### **Sonification**

#### **Now hear this**

**Scientific data might be filled with important things waiting to be discovered. Just listen to them**

During the first world war Heinrich Barkhausen, a German physicist, carried into the trenches an antenna, a crude electronic amplifier and a pair of headphones. His mission: to intercept Allied field-telephone communications. The strange noises he heard among the transmissions were not, as he thought, a problem with his equipment; later it was discovered that these 'whistlers' were radiofrequency bursts from extremely distant lightning. Barkhausen was among the first scientists to learn something new about the world from sound alone. By the 1960s, seismologists were using instruments that recorded local tremblings as frequency modulations on magnetic tape. Days and weeks of data lay on these tapes, and the only way to sift through them for interesting events was to play them back at high speed, listening for any anomalies. The field of sonification – turning data into sound – had been born. When the *Voyager 2* space probe passed Saturn in 1981 and sent back a stream of data that its keepers could not decipher, they sonified it. The hailstorm-like sound, they determined, came from debris in Saturn's rings striking the craft.

In this section

- Now hear this

- A game-changing result
- Taking the online medicine
- Total recall

Reprints

Related topics

- United Kingdom
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Sonifications make for attention-grabbing sounds on the news, so these days many scientific findings are sonified. Overwhelmingly, though, these are an afterthought; scientists still rely on their eyes and algorithms to spot interesting phenomena. That looks set to change as more scientists, engineers and even designers and artists look to exploit better what the seismologists and *Voyager* scientists knew decades ago: sound can be the key to scientific discovery.

### **Bring the noise**

One person currently championing sonification is Robert Alexander, a design scientist from the University of Michigan who spent time as a fellow at NASA's Goddard Space Flight Center. His work with data from satellites measuring the stream of particles from the sun has yielded a number of discoveries (and also a number of musical compositions).

That is because hearing presents a different set of strengths from that of vision. Humans can hear frequencies across three orders of magnitude, from about 20 to 20,000 hertz, and can discern tiny differences in those frequencies. They can deal with volumes from that of a pin dropping to a rock concert. Perhaps hearing's greatest strength is its temporal resolution, 100 times finer than that of vision: you will know if your favorite band's drummer is as little as a few thousandths of a second late on the beat.

Dr Alexander found, through listening alone, that ions of carbon are better at indicating the regions from which the solar wind originates than the oxygen that was previously employed, and determined the cause of a long-lived storm of swirling particles within the wind. He even spotted an undocumented source of noise in the instruments aboard the *Ulysses* spacecraft.

A greater influence than these discrete discoveries, though, is the enthusiasm for sonification they have created among his colleagues. Lan Jian, a solar scientist at Goddard, has learned that sonification is a great way to search for unusual events within data from *WIND*, another spacecraft sent to observe the sun. It speeds things up by a factor of ten or more, she says. Dr Alexander has gone on to publish a kind of best-practice sonification guide for researchers swimming in the copious data from sun-studying satellites.

Such success stories remain rare, as visual analysis of data still dominates the sciences. Yet vision has its limits. Many experiments measure a slew of variables at once, and the trick is to discover which of these are connected and how. As visual display technology has improved greatly it has been possible to display data in enhanced ways, but it is becoming a struggle. "Now we're seeing people looking at very complicated graphs; they're overloaded by data, and the visual system can't handle it all," says Matthew Schneps of the Harvard-Smithsonian Center for Astrophysics.

Dr. Alexander's work – and indeed much of the work in science so far – falls under a category of sonification called audification. When a single measure is taken at regular intervals, the result is a simple stream of regularly spaced points. Audification is simply the shifting of such 'time-series data' to a frequency within the audible

range – exactly what the seismologists, *Voyager 2* scientists and lots of early radio astronomers did. As a reflection of change in just one variable in time, audification results in simple tones and rhythms.

But hearing can discern much more than just pitch and pace; it can pick up multiple instruments with differing timbres, keeping track of each note's pitch, and even its attack and decay – how fast it rises and falls in volume. That is where another kind of sonification called parameter mapping comes in. This can turn scads of data sources into one stream of sound. The rise and fall of one variable is mapped to, say, the volume of a synthesized violin, while the shift of another is mapped to its pitch. Many different timbres of sound can be added, resulting in a data-rich soundscape.

Human hearing is extremely good at dealing with such noisy input. Making out what your interlocutor is saying at a crowded cocktail party, or noticing the approach of a predator among the cacophony of birds and bugs in a rainforest, can be done. “Where there are subtle changes of noise, or patterns in the change, that's where the ear really takes over,” says Andy Hunt, of the University of York, in Britain.

### **Intelligent design**

Dr. Hunt has parameter-mapped data ranging from images of cervical cells being screened for cancer to electrical signals from the muscles of recovering stroke patients. He has also worked with data from several hundred sensors fitted to helicopters during test flights. These data used to be printed out and laid on the hangar floor; engineers walked along them for hours, looking for anything untoward. Dr. Hunt parameter-mapped the same data and turned them into a sound file, just seconds long, in which problems could be spotted.

David Worrall of the Australian National University believes parameter-mapping sonifications are particularly suited to monitoring of complex systems. When he began to work with the Fraunhofer Institute, in Germany, on a project to analyze network activity as a proxy for how much different departments were co-operating, those in the institute's IT department were skeptical. But through regular listening to his sonification, he says “they started to notice patterns in the flow of the network – this would happen, then that, and then suddenly the printer drivers would go down.” What began as a managerial query has become a network-monitoring tool. Dr. Worrall has also developed a sonification of the stockmarket for an Australian government research group, in order to spot insider trading.

How precisely to carry out such parameter mapping is a subject of ongoing study; experiments have shown that volunteers tasked with plucking out sounds of interest find it easier when listening to some mappings than to others. That can depend in part on how easy the resulting sonifications are on the ear, especially if they are being monitored all day.

“If you want anyone to use your sonification, it shouldn't sound too disturbing or give you a headache,” says Alexandra Supper, a sociologist at the University of Maastricht, in the Netherlands, “but at the same time there can also be a danger of making it sound too pleasing, such that it becomes background music.”

For sonification to become more widespread, researchers must bridge this divide. For Dr. Worrall – a composer by training – the answer is in design, which he says “is an uncomfortable bedfellow” for both scientists and artists. But Paul Vickers of the University of Northumbria, in Britain, says progress is being made in breaking down scientists' conservative nature and bringing in aesthetic elements in a serious and rigorous way. “We're seeing people working in the scientific domains engaging with philosophers of music and psychologists, and thinking about how we listen in the real world to inform how we design sonifications.” Sounds promising.

The following was copied from Andrew Michrowski's introduction to the AR1-VLF receiver.

The AR1, like the ESSENTIA EM2, can be used to survey electromagnetic hash and noise even from multiple frequency emissions from most AC powered devices including harmonics (up to the 21st harmonic or more!) in and outside the house.

The AR1 enables capture of extremely short digital pulses and transients. It is now possible to pick up the Wi-Fi, SMART meter, Bluetooth and cellular transmissions, and 60Hz power.

For example, an average cell phone at a distance of more than 1 meter – helpful since it shows the distant effects of the cell phone are now much more obvious.

In the video below, such emissions are monitored with the AR1. It is very interesting to hear the complex, unique and frighteningly strong signals emitted in our living spaces by these common devices. Once you get familiar with the sound of a particular emission, it becomes quite easy to identify it from an unknown source. The AR1 proves effective at demodulating the ‘hash’ from high-frequency signals at close range allowing it to detect the smart meter, Wi-Fi and cellular transmissions as a hiss or rushing sound.

Watch the video at <https://www.youtube.com/watch?v=Zlg4awrBBqo>

#### ESSENTIA

100 Bronson Avenue, Suite 1001 OTTAWA, Ontario K1R 6G8 Canada

(613) 238-4437, fax: (613) 235-5876

essentia@essentia.ca / www.essentia.ca

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(888) 639-7730

**From:** Andrew Michrowski <paceincnet@gmail.com>

**To:** Angela < @gmail.com>

**Cc:**

**Sent:** Friday, April 1, 2016 2:52 PM

**Subject:** Re: Safety of Wi-Fi usage in schools - Questions from a future school site council parent

#### **Safety Of Wi-fi Usage In Schools – Questions From A Future School Site Council Parent**

Very good of you to explain, Angela – especially since you are good communicator at the same time that you have an understanding.

Note that Wi-Fi can ricochet into intense zones, the bodies of students can amplify the signals in zones, and the emissions can interface as superimposition to the usual barrage of outrageous wiring errors that are common in about 90% of classrooms, thus intensifying by quantum leaps total power density absorbed by students.

Note that the developmental stages of children + their body volume can intensify immensely power density absorption – 3 to 4 fold absorption + the fact that wireless frequency exposure issues collect over time – just like nuclear / ionizing radiation, though on a lesser scale.

Much of this can be objectified on a class-room by class-room basis, with children around, with the extremely affordable *EM2* and the *ARI* meters from **Essentia** (888) 639-7730 – in a way that any stakeholder will see and hear for themselves what goes on without an education in physics and engineering

On Fri, Apr 1, 2016 at 4:51 PM, Angela < @gmail.com> wrote:

Dear Dr. Michrowski,

Thanks for copying me.

It's good a parent is asking these questions. This also helps me see where there is confusion on this issue – we need to explain that Wi-Fi and cell phone radiation is the same. The reason that that Wi-Fi is 1/100 less than cell phone radiation is because of the distance – no one holds the wi-fi router to his/her head like a cell phone, however the power densities (given in  $\mu\text{W}/\text{cm}^2$ ) is what she should be looking at. I will send her an email to clarify.

Please update your email address for me to @gmail.com  
(my email address @gmail.com is 92% full now – need to use that for personal email)

Thanks  
Angela

From: **Andrew Michrowski** <paceincnet@gmail.com>  
Date: Fri, Apr 1, 2016 at 1:20 PM  
Subject: Fwd: Safety of W-Fi usage in schools – Questions from a future school site council parent  
To:

From: **Amrutha** < @yahoo.com>  
Date: Fri, Apr 1, 2016 at 2:48 PM  
Subject: Safety of Wi-Fi usage in schools – Questions from a future school site council parent  
To:

Dear All,  
Thank you so much for your amazing support on this important task. I am truly grateful for all your tremendous help and support.

I have communicated with our school site council members, some of the teachers, principal and the school district CTO via email regarding this issue and shared some of the critical videos and articles from the vast information I received from many of you.

Following are a few questions asked by one of our future school site council members (school parent). I listed them as 3 questions:

**Question 1:** I too have been following this issue (admittedly largely in the lay press) for the past few years. Every year scientific opinion seems to vacillate between harmful and harmless when studying long-term exposure to cell phone radiation. I watched the videos attached and they seemed to be largely anecdotal. I would love to see a meta analysis or review of Wi-Fi safety studies. Does such a meta study exist?  
The videos being referred here are:

- a. Wi-Fi In Classroom Liability Notice Served To New York School District
- b. Dr. Devra Davis, Ph.D Q&A with school board member on dangers of Wi-Fi & children
- c. Dr. Toril Jelter (practicing pediatrician) – Health Effects of Non-Ionizing Radiation in Children
- d. Peter Sullivan – The Autism Puzzle: Reducing Digital Overload in a Wireless Era
- e. Dr. Victoria Dunckley – Electronic Screen Syndrome: The Overstimulated Child
- f. <http://safetechforschoolsmaryland.blogspot.com/2016/03/california-parents-are-calling-for-safe.html>

**Question 2:** I think it's also important to not confuse cell phone radiation with Wi-Fi radiation. An NIH study showed that energy absorption from Wi-Fi is 100 times weaker than energy absorption from a cell phone in an equivalent model (<http://www.ncbi.nlm.nih.gov/pubmed/20647607>). This study is corroborated by the Health Protection Agency of UK in its study on Wi-Fi safety. On the flip side, French government recently banned Wi-Fi in preschools (<http://ehtrust.org/france-new-national-law-bans-wifi-nursery-school/>)

I just suggest that when presenting data from controlled studies, we make sure to separate cell phone-based studies from Wi-Fi studies. And I concede that just because Wi-Fi is weaker than cell phone radiation by 100x, that doesn't make it harmless. I look forward to learning more and further discussions on this topic.

**Question 3:** ehtrust references a large number of papers, but none of them seem to test effects of Wi-Fi (I'm looking here <http://ehtrust.org/science/research-on-wireless-health-effects/>) Let me know if you find anything different.

I would greatly appreciate any helpful information that I could share with our team.

Thank you very much!

Best Regards,  
Amrutha  
School Site Council member  
School Climate and Environmental Safety Committee  
Elementary school  
Palo Alto, CA

---

**From:** Amrutha <@yahoo.com>  
**To:** " @telus.net" <@telus.net>  
**Sent:** Wednesday, March 23, 2016 9:46 AM  
**Subject:** Safety of Wi-Fi usage in schools

Hello Dr. Crofton,

I am writing this email regarding the safety of Wi-Fi usage in schools. I am one of the parent site council members, representing School climate and Environmental safety committee at my kids' elementary school in Palo Alto, California.

After reading a lot of literature on the detrimental effects of chronic EMF exposure in school settings/environment, especially in kids, a few friends of mine and I decided to discuss this matter with the school district. However, the district is looking for more evidence and scientific research articles than what we provided, on this topic.

We therefore felt the need and urgency to have a practicing medical professional who can help us guide on how to proceed further with this issue in regards to educating and spreading awareness among parents, teachers, principals and the entire district and to consider alternative options (using wiring instead of routers) at schools.

We are desperately looking for some help.

Thank you very much!

Best Regards,  
Amrutha

**From:** Andrew Michrowski <paceincnet@gmail.com>  
**To:**  
**Sent:** Wednesday, April 6, 2016 10:41 AM  
**Subject:** Fwd: FW: Listserv on technology and enviro health

### **Listserv On Technology And Enviro Health**

Thank you Verna -  
We are forwarding this along..  
Andrew Michrowski

From: **Dr. Verna** < @healthandwellbeing.info>  
Date: Wed, Apr 6, 2016 at 10:05 AM  
Subject: FW: Listserv on technology and enviro health  
To: Andrew Michrowski <paceincnet@gmail.com>

Hi Andrew:

You and your EMF group may be interested in the email below.  
Verna

**Dr. Verna Hunt BSc DC ND**  
The Centre for Health & Well Being  
Being Well Communications  
396 Pacific Ave., Suite 201  
Toronto ON M6P 2R1  
Canada  
t: 416-604-8240 f: 416-604-9665  
[www.healthandwellbeing.info](http://www.healthandwellbeing.info)  
[www.beingwellcommunications.com](http://www.beingwellcommunications.com)

Please note that health advice or lab results cannot be communicated by email. Email exchanges are reserved for passing of documentation, or clarification of existing treatment plans.

If you have a new or detailed health inquiry, please contact Dr. Hunt's office to book an appointment or to schedule a telephone consultation

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**From:** Anne [mailto: @gmail.com]  
**Sent:** April-06-16 8:59 AM  
**To:** Dr. Verna  
**Subject:** Listserv on technology and enviro health

Hi Verna,

Not sure if you are familiar with the listservs and webinars organized by the U.S.-based Collaborative on Health and the Environment. They are a really good and well-moderated group of mostly progressive health professionals, researchers, activists. They are about to launch a new group on technology and environmental health (details below) which is free to join. You and the folks you are in touch with around EMFs/Wi-Fi. etc. and health may be interested.

Anne

**From:** "Erika < @healthandenvironment.org>

**Date:** April 5, 2016 at 10:47:21 AM EDT

**To:** <chementalhealth@lists.healthandenvironment.org>

**Subject:** [chementalhealth] New CHE Technology and Environmental Health listserv\

**Reply-To:** "Erika " < @healthandenvironment.org>

Dear CHE Colleagues,

Those of you subscribed to the CHE Science listserv have noticed the increasing number of 'Brave New World' posts about how new technologies are changing our bodies and the bodies of many other species. In order to avoid overwhelming the CHE Science listserv with these new technology developments, we are starting a new listserv, CHE Technology and Environmental Health.

The purpose of the CHE Technology listserv is to create a dedicated space for dialogue on this critical and growing dimension of environmental health science. Like the recently created CHE Pandemic listserv, which responded to a need to track the Zika virus and other pandemics, CHE Technology is another example of how CHE responds to the evolving needs and interests of the global environmental health science community that CHE serves.

In the heuristic device of imagining scenarios for four futures – business as usual, descent into chaos, achieving sustainability, and becoming artificial people on an artificial planet – CHE Technology is devoted to key developments in the fourth scenario. We will focus specifically on developments that affect human health, biosphere health, and the modifications technology brings in our sense of community and self.

To subscribe to the CHE Technology listserv please would like to join the listserv for this group send an email request to [chetech-subscribe@lists.healthandenvironment.org](mailto:chetech-subscribe@lists.healthandenvironment.org). We will process your request as quickly as we can so you can join the conversation.

CHE Technology is co-coordinated by Michael Lerner, President of Commonweal, and Jackie Lombardo, member of the Board of Directors at SafeMinds and the Sierra Club's National Toxics Committee.

If you have any questions, please email [info@healthandenvironment.org](mailto:info@healthandenvironment.org).

Erika

CHE Programs Administrative Coordinator

[@healthandenvironment.org](mailto:@healthandenvironment.org)

360-331-7904

[www.HealthandEnvironment.org](http://www.HealthandEnvironment.org)

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Just click the link for the action you want to perform and hit "send" on the resulting email.

To see a full list of CHE working groups and guidelines (CHEtiquette) for participating in this listserv please see: <http://www.healthandenvironment.org/initiatives>

Please remove me from this working group (including email list):  
chemicalhealth-unsubscribe@lists.healthandenvironment.org

Switch my subscription mode to CHE Lite (receive one digest email per week):  
mailto:sympa@lists.healthandenvironment.org?body=SET%20chemicalhealth%20DIGEST

Keep me as part of this group, but stop sending me emails (this is useful for vacations):  
mailto:sympa@lists.healthandenvironment.org?body=SET%20chemicalhealth%20NOMAIL  
Access the listserv website (to view archives, update your email address, change your subscription preference, etc.):  
<http://lists.healthandenvironment.org/lists/info/chemicalhealth>

Ask a question or get more help  
mailto:info@healthandenvironment.org?subject=chemicalhealthquestion

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Information posted to this listserv does not necessarily reflect the views or opinions of CHE or the sender. CHE aims to distribute science from a variety of perspectives which may be of interest to the CHE community.

**From:** Angela < @gmail.com>  
**To:**  
**Sent:** Friday, April 8, 2016 3:30 PM  
**Subject:** Urgent Action Needed: AT&T to Destroy California's Landline Network

### **Urgent Action Needed: AT&T to Destroy California's Landline Network**

FYI - landlines are more expensive to maintain, so telephone utilities are trying to phase out landlines for cell phones.

This will mean more cell towers.

Cell phones require cell towers which require electricity, so in the event of a power failure, we would not be able to make phone calls

Please see email below on action to take.

From: **StopSmartMeters.org via ActionNetwork.org** <info@stopsmartmeters.org>  
Date: Fri, Apr 8, 2016 at 10:49 AM  
Subject: Urgent Action Needed: AT&T on Warpath to Destroy California's Landline Network  
To: @gmail.com

## **URGENT ACTION NEEDED: AT&T on Warpath to Destroy California's Valuable Landline Network**

Posted on April 8, 2016 by Josh Hart

*Apologies if you are not in California, but landlines are under attack everywhere, so get informed, get involved and defend this safer mode of communication locally!*

*Please spread this alert to your networks using this link:*

<http://stopsmartmeters.org/2016/04/08/urgent-action-needed-att-on-warpath-to-destroy-californias-valuable-landline-network/>

**AT&T lobbyists are hard at work trying to leave the landline network in tatters, forcing people to use cell phones.** Check out this article, **AT&T Wants to Decommission Landlines in California**, published yesterday on Techwire.

**[AB 2395](#), currently before the CA Assembly, poses a serious threat to the health and safety of Californians, and will be heard before the California State Assembly Committee on Utilities and Commerce in Sacramento this coming Wednesday, April 13, at 1:30pm.**

If you can't make it to the hearing (and even if you can) **please make some calls (while you still can) and write letters**, spread the word and speak out about why we need analog landlines to be maintained for our health and safety

The April 13 hearing details, including a link to listen to it live

Contact information for all members of the committee

Find Your State Assemblymember

Contact information for Assembly member Evan Low, who is sponsoring the bill

**Talking points:**

- Landlines provide an important resilient communication network when electricity and cell service goes out (which is more likely with the “smart grid”)
- Many millions of people rely solely on landlines for their communication needs, and cutting people's communication is a violation of human rights and a step backward
- Call quality is far superior on a copper landline – is it progress or ‘moving into the 21st century’ to make Californians suffer through static and dropped calls?
- Corded landlines are far safer than mobile phones, which emit radiation associated with brain tumors, and other health problems.
- As a resident of California, I am committed to taking meaningful personal action to defend our landline network, and not allow AT&T to put profits above service, access and safety.

*We will post updates on this urgent issue on our website as they develop. Take action today or in 3 1/2 years the cord may be cut, as unbelievable as that might seem.....*

---

**Expand Our Network: Send this link to your friends and family to subscribe to our monthly bulletin:** <https://actionnetwork.org/forms/subscribe-to-stop-smart-meters-monthly-bulletin>

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***Find info cards, brochures, stickers, DVD's, Cornet Electrosmog meters, and other outreach materials in the Stop Smart Meters! online store.***

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**From:** Angela @gmail.com>

**To:**

**Sent:** Monday, April 18, 2016 3:49 PM

**Subject:** Fwd: WEEP News / W.H.O. Knew about the Dangers of Microwave Radiation Forty Two Years Ago / The spinal cord as an antenna ? / ICNIRP / Decommission Landlines / Tesla vs Honda / Autism / etc.

**WEEP News / W.H.O. Knew about the Dangers of Microwave Radiation Forty Two Years Ago / The spinal cord as an antenna ? / ICNIRP / Decommission Landlines / Tesla vs Honda / Autism / etc.**

Hi Everyone,

I have been quiet lately and have not sent out much correspondence. I've been swamped lately and have not been able to do much on wireless (moving in 2 months, figuring out how to homeschool my kids). Please see Martin Weatherall's WEEP News below.

Attached also are 2 very good articles by Andre Fauteux on the subject of EMF and safe wiring/buildings.

Below is also a Suzanne Somers Interview by Camilla Rees of Electromagnetic Health. Lowered sperm count, smart meters, cell phones in bras/pockets discussed

Please also note that **this Saturday April 23 is World EMF day** – you can support by not using or limiting your use of electronic devices

<http://emractionday.org/>

Angela

From: **Martin** < @rogers.com>

Date: Sat, Apr 16, 2016 at 9:37 PM

Subject: WEEP News / W.H.O. Knew about the Dangers of Microwave Radiation Forty Two Years Ago / The spinal cord as a antenna ? / ICNIRP / Decommission Landlines / Tesla vs Honda / Autism / etc.

To: WEEP News < @rogers.com>

**W.E.E.P. EMF News**

**The Canadian initiative to stop Wireless Electrical and Electromagnetic Pollution**

17 April 2016

**What the World Health Organization Knew about the Dangers of Microwave Radiation Forty Two Years Ago**

Microwave radio frequencies have been known for several decades as being toxic! WHO has mandated 60 scientists and issued a 40 reports book showing this toxicity back in 1974. It is called:

Biologic Effects and Health Hazards of Microwave Radiation - WHO  
International Symposium Research Agreement No. 05-609-04 - 1974

It is very symptomatic that this document does not show on the WHO website today, isn't it?

Link to the on-line 350 pages report here:  
[http://mistic.heig-vd.ch/taillard/microwave\\_effects/](http://mistic.heig-vd.ch/taillard/microwave_effects/)

Bien cordialement,

Sosthène BERGER  
Ing. Dipl. HES

**And why is the WHO denying this information now?  
Could the WHO now be classed as a criminal organization, because of the health risk, harm and early death that they are responsible for?**

**Investigation of the spinal cord as a natural receptor antenna for incident electromagnetic waves and possible impact on the central nervous system**

In this article, we show, through a FDTD simulation analysis of an incoming electromagnetic field (EMF), that the spinal cord acts as a natural antenna, with frequency dependent induced electric voltage and current distribution.

<http://www.tandfonline.com/doi/abs/10.3109/15368378.2011.624653?journalCode=iebm20&>

Melissa

**Why it is that ICNIRP just doesn't get it?**

For many years I have been complaining about the unbalanced expert composition of the Main Commission of ICNIRP. ICNIRP can, and should, be considered as a 'private club' where, members of the new Main Commission are selected by the members

<https://betweenrockandhardplace.wordpress.com/2016/04/05/mike-repacholi-responds-to-icnirp-did-it-again/>

**AT&T Wants to Decommission Landlines in California**

Seeking to capitalize upon Californians' growing use of Internet-based phone service, telephone giant AT&T is asking state lawmakers to allow it to decommission its costly landlines.

<http://www.techwire.net/legislation/att-wants-to-decommission-landlines-in-california.html>

The bill is AB 2395: [http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill\\_id=201520160AB2395](http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201520160AB2395)

**After the hearing:**

AB 2395 just passed, as of 4:10 pm PST or so, with only two or three No votes. There were many great testimonies but AT&T won.

We managed to mobilize about 10 people from the disability community, mostly EHS, to go to the hearing today, including Kevin who came up from L.A. on Monday and spent two days going door to door. Sadly several disability and senior groups supported the bill. But the CWA came out in force against it. The whole hallway and hearing room was full of orange shirts. But the committee passed it anyway. Now it goes to the appropriations committee, then the assembly, then the senate.

The video of the hearing is here: [http://calchannel.granicus.com/MediaPlayer.php?view\\_id=7&clip\\_id=3581](http://calchannel.granicus.com/MediaPlayer.php?view_id=7&clip_id=3581)  
Isis

### **Tesla vs Honda EMF Results**

See attached report by California Building Biologist Larry Gust, eng. [www.gustenviro.com](http://www.gustenviro.com)  
(Note that I deleted page 2 of the PDF because it was blank by error, thus p7 is called 8/7!)  
André

### **Pathway Network Analyses for Autism Reveal Multisystem Involvement**

The enrichment analysis of SFARI genes showed the calcium signaling pathway to be the most enriched, statistically significant pathway.  
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0153329>

Barb

### **School District is Served With Legal Liability Notice**

1. Board members who voted in for keeping the Wi-Fi are now personally liable if a child is harmed by the wireless radiation exposures.
2. They could be sued for "willful blindness", "child negligence" or possibly even charged with "reckless endangerment of a child" of which the latter carries criminal penalties.
3. The BOE is held liable for violating "Open Government Law," by misusing "Executive Session" option designed to keep public agencies court strategies private when litigation is in process. The Board apparently disbanded the Wi-Fi Task Force and denied access of the minutes of that meeting to the public. The BOE then stated "the efficacy of the group" was the reason for disbanding it.  
See the video and get more information:

[http://safetechforschoolsmaryland.blogspot.ca/2016/04/new-york-pta-calls-for-wi-fi-to-be.html?utm\\_source=feedburner&utm\\_medium=email&utm\\_campaign=Feed:+SafeTechForSchoolsMaryland+%28Safe+Tech+for+Schools+Maryland%29](http://safetechforschoolsmaryland.blogspot.ca/2016/04/new-york-pta-calls-for-wi-fi-to-be.html?utm_source=feedburner&utm_medium=email&utm_campaign=Feed:+SafeTechForSchoolsMaryland+%28Safe+Tech+for+Schools+Maryland%29)

### **Suzanne Somers and Camilla Rees Discuss Wireless Tech Risks**

<http://electromagnetichealth.org/electromagnetic-health-blog/suzanne-somers/>

### **Hawaiian Electric's smart grid bad idea**

**Smart meters** emit dangerous pulsed microwave radiation 24/7. This is an involuntary exposure that cannot be turned off.

<http://westhawaii.com/opinion/letters/letters-4-8-16>

### **Pregnant women and children should not be exposed to wireless radiation**

English translation from 2014

<https://takebackyourpower.net/experts-and-doctors-warn-pregnant-women-and-children-wireless/>

### **Stories From Parents About Their Children (being harmed by wireless radiation)**

<http://www.parentsforsafetechnology.org/our-stories-and-our-children.html>

John

### **The ADHS "Smart" Meter Study Is Grossly Inaccurate**

Video Exposé

<https://www.youtube.com/watch?v=XRkfucJzrEk>

and

## **APS Caught Lying**

[https://www.youtube.com/watch?v=z\\_TLCd3Litg](https://www.youtube.com/watch?v=z_TLCd3Litg)

## **PNM plan opens new front in 'smart' meter battle**

Susan Porter is another resident who posted a sign voicing her lack of consent. When she addressed the installation crews, they allegedly told her that the meters "only transmit once a month." She informed them that they actually transmit in continuous pulses.

"It is unfair for their supervisors to expect them to lie to the public. I don't blame them," said Pamela Morgan.

<http://www.scdailypress.com/site/2016/04/12/pnm-plan-opens-new-front-in-smart-meter-battle/>

Robert

## **Automated Vehicles: Planning the Next Disruptive Technology**

Tuesday **April 19** - Wednesday **April 20** 2016 • One King West Hotel & Residence • Toronto, Ontario

The era of driverless cars and trucks is just around the corner. What do you need to know to plan for the arrival of this technology?

**Agenda and Speakers** <http://www.conferenceboard.ca/conf/16-0133/agenda.aspx>

Barb

## **Wi-Fi Now 2016**

An industry sponsored conference that ignores any evidence that Wi Fi is harmful and will not allow any speaker who is critical of Wi Fi.

<http://tinyurl.com/zajtx3e>

Ed

## **Wi-Fi Now Confab Bars Press; FCC Commissioner Told**

The Wi-Fi Now 2016 conference April 19-21 in Tysons Corner, Va., after giving O'Dwyer's press credentials, has withdrawn them after being told O'Dwyer's would raise health issues related to Wi-Fi, cellphones and other radiation sources.

Having been shut out of "the world's first Wi-Fi conference," health advocates have created "Wired Health Now 2016" which will run in cyberspace on the same three days as Wi-Fi Now on the O'Dwyer website.

<http://www.odwyerpr.com/story/public/6715/2016-04-14/wi-fi-now-confab-bars-press-fcc-commissioner-told.html>

## **WiredNow 2016 Conference Submissions Needed**

The WiredNow Conference, (counter WiFiNow conference <https://wifinowevents.com/usa/>), will happen April 19-21. Individuals and groups are invited to submit 300-500 words (longer would be ok. include links) and a headshot to participate in this important event. Submit to @ .com Copy due Sunday, April 17th or Monday, April 18th preferably. People will be able to comment on any one article. This is an excellent chance to raise awareness about the issues, and Jack O'Dwyer will be following up with excellent articles on this event. Please take time this weekend to make a submission about why this issue matters to you. Share widely!

Marcey

## **Paris Film Festival**

SHORT DOCUMENTARY PRIZE is awarded to QUIET ZONE David Bryant & Karl Lemieux (Canada - 2015 - 14'01 " – French subtitles), presented in French first, the jury chaired by Fred Nicolas students.

Production and International Sales: ONF Canada

The award is endowed by the region of € 2,500

Trailer - [https://www.nfb.ca/film/quiet\\_zone](https://www.nfb.ca/film/quiet_zone)

[http://www.filmfestivals.com/fr/blog/editor/palmar\\_s\\_festival\\_international\\_du\\_film\\_denvironnement\\_2016](http://www.filmfestivals.com/fr/blog/editor/palmar_s_festival_international_du_film_denvironnement_2016)

Sylvie

### **Sperm DNA damage—the effect of stress and everyday life factors**

Data from the present study showed a significant effect of age, obesity, mobile phone radiation and occupational stress on sperm DNA damage.

<http://www.nature.com/ijir/journal/vaop/ncurrent/full/ijir201615a.html>

Sylvie

*Web site [www.weepinitiative.org](http://www.weepinitiative.org) e-mail [contactweep@weepinitiative.org](mailto:contactweep@weepinitiative.org) blog*

*<http://www.weepnews.blogspot.ca/>*

*To sign up or unsubscribe from WEEP News: [newssignup@weepinitiative.org](mailto:newssignup@weepinitiative.org) (provide name and e-mail address)*

W.E.E.P. – The Canadian initiative to stop: Wireless Electrical and Electromagnetic Pollution

**From:** Angela < @gmail.com >

**To:**

**Sent:** Saturday, April 30, 2016 4:03 AM

**Subject:** Israel Wireless Documentary. 8000 MD's, scientists to attend Pediatric Wireless Conference

### **Israel Wireless Documentary. 8000 MD's, Scientists to Attend Pediatric Wireless Conference**

#### **April 2016: Israel Documentary "How We Kill Ourselves with Wireless Radiation"**

**Please watch.**

Click on cc at bottom right to read unofficial English subtitles

<https://www.youtube.com/watch?v=bpJslWuV-PA&feature=youtu.be>

In this documentary:

- RF radiation breaks blood brain barrier (chemotherapy does not penetrate the BBB, so in order to get chemotherapy to the brain, wireless radiation is one method employed to break the BBB so that chemotherapy can reach the brain. This is an example of RF radiation having a biological effect)
- RF radiation affects a person's weakest points
- 2009: European Union acknowledges EHS
- EHS symptoms: Headaches, nausea, vomiting, ear feeling hot with cell phone use
- Dr. David Carpenter, Harvard: EHS is real, incapacitating. Children living in homes with high EMF had elevated rates of leukemia
- Norway, Denmark, Austria, limit Wi-Fi around children
- Kids are more sensitive to wireless radiation
- Safety limits employed by most countries is based on thermal limits, i.e. any microwave level that is not high enough to cause your body's tissues to heat up is considered by most government standards to be 'safe', which was set many years ago before there was popular cell phone use, Wi-Fi, many cell towers, etc. (See below for explanation on FCC thermal limits and typical RF levels around cell towers, Wi-Fi)

Thanks to Dafna Tachover for sending

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May 3, 2016: The **2016 Pediatric Societies Annual Conference will be presenting a Symposium on Children, Cell Phones and Wireless. Over 8000 pediatricians, research scientists, health care providers and policy makers from around the world will attend the conference.**

<http://ehtrust.org/science/key-scientific-lectures/cell-phones-wireless-childrens-health-symposium-2016-pediatric-societies/>

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August 2014: A scholarly article on wireless safety, published online in the *Journal of Microscopy and Ultrastructure*, reports that **children and fetuses are the most at risk from neurological and biological damage that results from microwave radiation emitted by wireless devices, due to the higher rate of absorption of microwave radiation by children than by adults.** The paper is available on the following link: <http://www.sciencedirect.com/science/article/pii/S2213879X14000583>

Here's the news article <http://www.news-medical.net/news/20140806/Kids-are-at-risk-of-biological-damage-results-from-microwave-radiation-emitted-by-wireless-devices.aspx>

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The FCC exposure limit is **1000 uW/cm<sup>2</sup>** for 30 minutes for frequencies 1.5-100 GHz

<http://www.gpo.gov/fdsys/pkg/CFR-2002-title47-vol1/pdf/CFR-2002-title47-vol1-sec1-1310.pdf>

Background levels in areas without a cell tower close by or near Wi-Fi router is around **0.0003 uW/cm<sup>2</sup> (3-ten thousandths)**. Areas within 1500 feet of a cell tower or near a school Wi-Fi router are **0.1-1 uW/cm<sup>2</sup>**. My home Wi-Fi measures 0.01 uW/cm<sup>2</sup> at about 10 feet from the router. So school Wi-Fi is many times higher than home Wi-Fi (by 10 to 100 times) **Therefore, living/attending school next to a cell tower, going to school in typical school Wi-Fi environment, exposes you to over 1000 times higher RF levels than background.**

Health effects at 0.001-0.1 uW/cm<sup>2</sup> are headaches, concentration/memory/neurological problems, sleeping problems, sperm abnormalities, twice the risk of leukemia per the 2012 Bioinitiative Report, a compendium of 3800 peer reviewed scientific studies. If you haven't seen this chart yet, take a look

<http://www.bioinitiative.org/report/wp-content/uploads/pdfs/BioInitiativeReport-RF-Color-Charts.pdf>

1000 uW/cm<sup>2</sup> for 30 minutes is the level at which your flesh would start to warm up from the microwave radiation. Compliance to FCC standards means only that there is not enough microwave radiation from a cell tower or Wi-Fi router to cook you. It does not mean that you are protected from all biological effects which begin as low as 0.001 uW/cm<sup>2</sup> (1 thousandth) which have been shown in scientific studies. **Long-term Health effects of chronic exposure to RF radiation levels were never studied by our government – instead RF levels have been presumed to be safe as long as there is not enough to cook you. The FDA exempted cell phones from testing in 1984 based on this presumption, which was then applied to all wireless devices. So cell phones, Wi-Fi, cell towers, DECT cordless phones, ipads, wireless laptops, etc. were never tested for safety yet have been massively deployed as if they have been proven safe.**

So, if 1000 uW/cm<sup>2</sup> is the standard for safety, and the maximum is 1 uW/cm<sup>2</sup> within 1500 feet of a cell tower or near a school Wi-Fi router, it would be safe to live near 1000 cell towers or put 1000 routers in a classroom. This defies common sense, but that's what the FCC standards would allow. Please think about this, read the scientific studies, and if you don't believe these measurements, get a meter and take your own measurements at home, school, around a cell tower to see how much RF radiation your kids are exposed to 7 hours a day, 5 days a week, 40 weeks a year, 13 years. This one is \$140: Functions as both an RF meter and Gaussmeter.

<http://lessemf.com/combi.html> (scroll down to RF/Gauss Meter by Cornet), sales tax for NY only. For other meter recommendations and how to measure properly  
<http://blog.listentoyourgut.com/how-to-measure-wifi-and-cell-phone-radiation/>

Angela

**From:** Angela < @gmail.com>  
**Sent:** Saturday, April 30, 2016 3:02 PM  
**Subject:** Fwd: An Electronic Silent Spring - April, 2016 Newsletter from Katie Singer

## **An Electronic Silent Spring**

*An Electronic Silent Spring*  
**April, 2016 Newsletter from Katie Singer**  
[www.electronicsilentspring.com](http://www.electronicsilentspring.com)

I end with good news.  
--Katie

### **Children & Schools**

*The Environmental Health Trust has compiled a spectacular, international list of schools, unions and PTAs that have taken steps to ensure healthier school environments.*

<http://ehtrust.org/policy/schools-unions-and-pta-actions>

*PBS' Education Week reported on problems with students' privacy and security when education is digitalized.* Hundreds of childrens' Social Security Numbers have been stolen. School-issued computers can collect info about a child's food preferences, friends' names, grades, discipline records and more. Corporations can use this info to create 'data-mined profiles'. There's very little, if any, regulation of the data collected by school-issued computers.

<http://www.pbs.org/newshour/bb/why-digital-education-could-be-a-double-edged-sword/>

*Randi Weingarten, president of the American Federation of Teachers, explains that Pearson (a multi-national corporation that writes software for school curricula and testing) "is becoming toxic because it promotes bad policy that puts profit over what's good for students." She urges parents and teachers to pressure Pearson to change course.*

<http://www.texasaft.org/tell-pearson-its-time-to-change-course-and-end-its-ruinous-commitment-to-high-stakes-testing/>

*"10 Reasons Why Handheld Devices Should Be Banned for Children Under the Age of 12" by occupational therapist Cris Rowan has received more than two million hits. Essentially, Rowan suggests balancing tech time with time spent outdoors, cooking, talking person-to-person, etc. – and thus, tech time is reduced.*

[http://www.huffingtonpost.com/cris-rowan/10-reasons-why-handheld-devices-should-be-banned\\_b\\_4899218.Html](http://www.huffingtonpost.com/cris-rowan/10-reasons-why-handheld-devices-should-be-banned_b_4899218.Html).

See more about Balanced Tech Management at [www.zonein.ca](http://www.zonein.ca)

### **Preserve Proven Landlines**

*Californians now push back from aggressive lobbying to eliminate copper legacy landlines.* Legislation to this effect may already have passed in 20 states. California Democrat Evan Low recently introduced AB2395, "Telecommunications: Replacement of Public Switched Telephone Network." AB2395 has passed one committee in the California House. It needs to pass another committee, then move to the California Senate before it's voted on. Three out of five households still have a legacy copper landline.

"Replacement phones" include Voice Over Internet Protocols (VoIPs) such as Magic Jack, U-Verse and Skype (which require a computer with Internet access) – or a router/modem that provides phone, Internet and cable Access – or a cell phone.

*What's the problem?* During a power outage, cell-phone and VoIP-dependent people can't reach 911. Anyone who wants a secure (less hackable) transmission of data via a fax – i.e. a physician, patient, banker, realtor, accountant, retailer, credit-card or Social Security Number user – would want landlines maintained. Anyone who wants less exposure to electromagnetic radiation would want landlines maintained. Many people cannot afford and/or tolerate a computer. Router/modems apparently generate tremendous dirty power. Replacing these 'black boxes' switch-mode power supplies with analog power supplies is tricky, even for experienced engineers; and there's no universal recipe for doing so. Pregnant women, children, people with medical implants and EHS should not use cell phones.

*So why would telecom corporations lobby to eliminate copper legacy landlines?* Copper legacy landlines are heavily regulated (i.e. taxed). Voice Over Internet Protocols are much less regulated. They provide telecom corporations with much more profitability.

After a major power outage in March, 2016, the Anchorage Police Chief advised Alaskans, "Don't cut the cord."  
<http://www.ktuu.com/news/news/att-outage-left-cell-phondependent-alaskans-unable-to-call-911/38685790>

In 2013, B. Blake Levitt wrote a telling assessment about 'kissing landlines goodbye' in Connecticut.  
<http://emfrefugee.blogspot.com/2013/06/kiss-your-landline-goodbye.html>

## **Privacy**

*60 Minutes recently showed how strangers can hack the phone in your pocket:*

<http://www.cbsnews.com/news/60-minutes-overtime-how-strangers-can-hack-the-phone-in-your-pocket>

*Meanwhile, a new law will require drivers involved in an accident to give their phone to officers for analysis of texting-while driving.*

[http://www.electronicproducts.com/Mobile/Devices/Law\\_will\\_require\\_drivers\\_involved\\_in\\_an\\_accident\\_to\\_hand\\_over\\_phone\\_to\\_officers\\_for\\_analysis\\_of\\_texting\\_while\\_driving.aspx](http://www.electronicproducts.com/Mobile/Devices/Law_will_require_drivers_involved_in_an_accident_to_hand_over_phone_to_officers_for_analysis_of_texting_while_driving.aspx)

## **Energy**

We all resist changing our lifestyles and reducing our energy use.

*Steven Gorelick's review of "This Changes Everything,"* Avi Lewis's documentary based on his wife, Naomi Klein's book of the same title, *questions environmentalists' enthusiasm for renewables like solar and wind power.* <http://www.localfutures.org/changing-everything>

*For an introduction to installing solar power more safely:*

<http://www.electronicssilentpring.com/safer-solar-power>

*For reports about how electronics and the Internet contribute to climate change:*

<http://www.electronicssilentpring.com/primers/energy-cell-phones-wi-fi-internet/>

## **Smart Meters**

*Insurance companies may soon not pay for fire damage caused by a malfunctioning 'smart' meter.*

<http://www.examiner.com/article/changes-are-coming-to-your-insurance-policy>

*In Ohio, American Electric Power must prove that 'smart' meters save customers' money before it charges to opt out.*

<http://www.dispatch.com/content/stories/business/2016/04/27/aep-must-prove-smart-meters-save-customers-money-before-charging-to-opt-out.html>

*New Mexico's largest electric utility, PNM, has laid out its plans to install smart meters.*

For more info about proposed 'smart' meters in NM, including a showing of Josh del Sol's "Take Back Your Power" in Santa Fe, May 15:

<http://www.electronicssilent.spring.com/pnm/>

[www.citizensforsafetechnology.com](http://www.citizensforsafetechnology.com)

[www.stopsmartmetersbc.com](http://www.stopsmartmetersbc.com)

[www.smartmeterawareness.com](http://www.smartmeterawareness.com)

### **Good News: Argentina's Chamber of Deputies has presented a bill, "Minimum Prevention and Control of Electromagnetic Pollution."**

It aims to provide a regulatory framework "to radio infrastructure with radiant systems, antennas and all installations capable of generating electromagnetic radiation" in order to "ensure the protection of public health" considering "both thermal effects (and) biological." The bill would prohibit infrastructure that radiates or generates electromagnetic fields within and less than 100 meters of green spaces, health, educational, sporting and cultural institutions with public access.

<http://buildingbiologyblog.com/2016/04/06/argentina-seeks-a-national-law-against-electromagnetic-pollution/>

### **Want to read *An Electronic Silent Spring*?**

Despite amazon.com claims, **the book is in print.**

<http://www.amazon.com/dp/1938685083/?tag=%20anelesilspr-20>

If you'd like ten or more copies, I can pass on the discount that my publisher extends to me. Depending on your locale, this translates to a 30 – 35% discount in the cover price (\$18), including shipping. Please contact me directly to order a box of books: @ .com

**Thanks to everyone** who's using electronics as safely as possible, reducing electronics usage *and* EMR-emissions.

Please contribute to keep this newsletter going! <http://www.electronicssilent.spring.com/donate/>  
*To healthier ecosystems and communities,*

Katie [www.electronicssilent.spring.com](http://www.electronicssilent.spring.com)

PO Box 6574

Santa Fe NM 87502

USA

**From:** Angela < @gmail.com >

**To:**

**Sent:** Monday, May 2, 2016 8:52 PM

**Subject:** Tomorrow! Tue. May 3 10-11am EST: Livestream Conference: Doctors Present Evidence of Wireless Radiation Impacts on Children

**May 3 2016 Livestream Conference: Doctors Present Evidence of Wireless Radiation Impacts on Children**

Tomorrow the 2016 Pediatric Societies Annual Conference will be presenting a Symposium on Children, Cell Phones and Wireless. Over 8000 pediatricians, research scientists, health care providers and policy makers from around the world will attend the conference. The Pediatric Academic Societies consists of four sponsoring societies: The American Pediatric Society, the Society for Pediatric Research, the Academic Pediatric Association, and the American Academy of Pediatrics.

You will be able to ask questions to the experts during a press conference sponsored by EHT prior to the start of the conference. See below on how to ask questions.

You can watch the press conference tomorrow

When: **Tuesday, May 3rd, 10 am to 11 am EST**

Where: **Online Press Conference:** <http://tinyurl.com/jur82y6>

Subject: Pediatric Societies Livestream Conference: Doctors Present Evidence of Wireless Radiation Impacts on Children May 3, 2016

### **LIVESTREAM PRESS CONFERENCE ANNOUNCEMENT**

*Press Contact: Janet Vasquez, JV Public Relations NY (212) 645-5498*

#### **Doctors Present Evidence of Wireless Radiation Impacts on Children**

*Medical Symposium Highlights New Research on Exposure, Brain Development and Behavior*

**Who: Leading medical and public health experts:**

- **Hugh Taylor, MD, PhD, Chair of Obstetrics, Gynecology, and Reproductive Sciences,**

**Yale School of Medicine**

- Martha Herbert, MD, Ph.D, Massachusetts General Hospital, Harvard University
- Devra Davis, Ph.D, MPH, Environmental Health Trust
- Maya Shetreat-Klein, MD, Brainmending
- Catherine Steiner-Adair, Ed.D, Harvard Medical School

**What:** The nation's leading experts on wireless radiation exposure will participate in a *livestream press conference* prior sponsored by the **Environmental Health Trust** to their panel entitled *Wireless and Children: Why and How to Protect Infants, Toddlers and Young Children from Avoidable Exposures to Wireless Transmitting Devices* at the Pediatric Academic Societies Annual Meeting in Baltimore taking place at the Baltimore Convention Center.

When: **Tuesday, May 3rd, 10 am to 11 am EST**

Where: **Online Press Conference:** <http://tinyurl.com/jur82y6>

How: Text questions to (516) 423-6021 or 917-569-7470 email: [questions@grassrootsinfo.org](mailto:questions@grassrootsinfo.org) or @ .com

**Background:** The International Agency for Research on Cancer has classified both microwave radiation and radio frequency radiation as Group 2B (possible) human carcinogens. Brain models and computer simulations show that children absorb more microwave radiation than adults. A child's skull, which is thinner and smaller, absorbs ten times more radiation than that of an adult. International studies provide significant evidence on the

effect of cell phone radiation on acoustic neuroma and glioma. The PAS symposium will highlight new clinical findings about the impact of wireless radiation on the infant and child brain, and propose practical clinical advice on how to reduce exposures.

**Dr. Taylor** will discuss Pregnancy and Wireless Safety: What Experimental Studies Tell Us About Learning Disabilities and Clinical Practice. **Dr. Davis** will reveal new modeling of microwave exposures to the child brain and body and the latest international policies to reduce and control microwave exposures to children. **Dr. Herbert** will present the Rationale for Research and Precautionary Clinical Intervention Regarding Autism-EMF Link. **Dr. Steiner-Adair** will discuss The Big Disconnect: How Technology Can Undermine Parenting in the Modern World. **Dr. Shetreat-Klein** will discuss How to Protect the Brains of the Future.

*This is an unprecedented opportunity to hear and interview experts on children's exposure to wireless radiation, obtain state of the art video modeling of radiation exposures to the young brain and copies of practical advice to clinicians and parents about why and how to reduce exposures.*

\* \* \*

**Media Contact for the Environmental Health Trust**  
**Janet Vasquez/JV Public Relations NY**  
**212-645-5498**

[jvasquez@jvprny.com](mailto:jvasquez@jvprny.com)

You received this message because you are subscribed to the Google Groups "emfcontacts" group.  
To unsubscribe from this group and stop receiving emails from it, send an email to [emfcontacts+unsubscribe@googlegroups.com](mailto:emfcontacts+unsubscribe@googlegroups.com).

To view this discussion on the web visit

[https://groups.google.com/d/msgid/emfcontacts/CAAC%3DT7dmFp8qsJdB1z\\_kKrT1i0Vjoc\\_XzAYMnRSX6f mM-%2Bs\\_pg%40mail.gmail.com](https://groups.google.com/d/msgid/emfcontacts/CAAC%3DT7dmFp8qsJdB1z_kKrT1i0Vjoc_XzAYMnRSX6f mM-%2Bs_pg%40mail.gmail.com).

**From:** Angela < @gmail.com>

**To:**

**Sent:** Thursday, May 5, 2016 3:48 PM

**Subject:** Fwd: Triple Glioma Brain Cancer Risk w/ Cell/Cordless Use. Increased risk among <age 20

**Triple Glioma Brain Cancer Risk w/ Cell/Cordless Use. Increased risk among <age 20**

Hi - Please see attached document and note from Lloyd Morgan of EHT. (See text below this email.)  
Dear Angela,

Please forward this email to emfcontacts as well so that they can create an addendum to their post about the Hardell study in Pathophysiology.

See attached document, section “**Previous Evidence of Higher Risk of UMTS Compared to GSM Modulation**”

Short summary: Smart phones (G3, UMTS modulation) have a far higher risk per 100 hours of use than Dumb phone (G2, GSM modulation) even though Smart phone average radiated power is 1,000 times lower than Dumb phones.

Best,  
Lloyd

**From:** emfcontacts@googlegroups.com [mailto:emfcontacts@googlegroups.com] **On Behalf Of** A Tsiang  
**Sent:** Wednesday, May 04, 2016 11:49 AM  
**To:** undisclosed-recipients:  
**Subject:** Triple Glioma Brain Cancer Risk w/ Cell/Cordless Use. Increased risk among <age 20

**November 2014: study published in Pathophysiology:** The risk for glioma (a type of brain cancer) was tripled among those using a wireless phone for more than 25 years and that the risk was also greater for those who had started using mobile or cordless phones before age 20 years. Data from 6 cancer centers in Sweden. Study attached.

The actual numbers of gliomas caused by cellphones may be much higher, says neurosurgeon and health expert Dr. Russell Blaylock. "Because of problems with reporting, many gliomas are never reported," he tells Newsmax Health. "It may take over ten years of heavy use to see a dramatic rise, and with younger ages now using cellphones for long periods and sleeping on them, we will definitely see a tremendous rise in brain tumors in the next ten years."

Many studies that show cellphones are safe have been financed by the cellphone industry, he says. "Most studies were designed by the companies and conducted for too short a time to see statistical changes. "The microwaves emitted by cellphones have been shown to cause DNA damage and induce inflammation — chronic inflammation in tissues eventually leads to cancer in a higher number of users," Dr. Blaylock said. "I would bet that the microwaves in the brain activate microglia and this triggers immunoexcitotoxicity —one of the main mechanisms of gliomadevelopment."

"I think there is going to be a tremendous effect years from now," he said. "The effects on some people will be minimal, but millions of others, especially those who have DNA repair defects, are going to have a significantly higher incidence of cancer, degenerative brain disorders and brain injuries. If you are a part of that 10 or 15 percent, your incidence is going to be extremely high, and you won't even know it. "Cellphones aren't harmless," says Dr. Blaylock. "There is considerable evidence that cell phones damage the brain as well as other tissues and organs."

<http://www.newsmax.com/Health/Headline/cellphones-brain-cancer-glioma/2014/11/24/id/609321/>

From: Angela  
Date: Tue, May 3, 2016 at 6:03 PM  
Subject: Brain Tumors – Most common cancer in 15-19 year olds, most common cause of cancer deaths in ages 15-39

### **Brain Tumors – Most Common Cancer In 15-19 Year Olds; Most Common Cause Of Cancer Deaths In Ages 15-39**

Please read article below published on Feb. 24, 2016, in which the American Brain Tumor Association has found that brain cancer is the highest cause of cancer deaths in ages 15-39 and the most common cancer among 15-19 year olds.

The full report is available at <http://www.abta.org/about-us/news/brain-tumor-statistics/>

**Dr. Devra Davis shares research on effects from prenatal exposure to cell phone radiation: 3 times more DNA damage, spinal cord damage, damage to memory and thinking part of the brain (hippocampus) from only 15 minutes per day of cell phone radiation exposure for 7 days. Results were statistically significant.** The faster cells grow, the more vulnerable they are to toxic exposures. Newborns double their brain size after birth. [https://www.youtube.com/watch?v=LZicHZaUKps&feature=em-subst\\_digest](https://www.youtube.com/watch?v=LZicHZaUKps&feature=em-subst_digest)

My advice: Minimize cell and DECT cordless phone use, and if you use them, hold them at a distance. Children should use cell phones only in an emergency, and don't let your child hold the phone next to his/her head. Your child should carry the phone with airplane mode on whenever possible, and Wi-Fi antennas should be off and turned on only when internet use is necessary. (If you don't turn off the antennas, then they are emitting RF radiation. Smart phones have a voice antenna, Wi-Fi antenna, GPS, bluetooth antennas – and they are on all the time unless you turn them off)

Don't carry them in your pocket or bra. iPads, Wi-Fi laptops emit the same radiation – minimize their use as well; use them at a table and don't hold in your lap. Turn off Wi-Fi routers when not in use (especially at bedtime), and turn on only when needed.

Please watch this video from the Cyprus government for more precautions to take if you haven't watched it yet <https://www.youtube.com/watch?v=H43IKNjTvRM>

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### **Malignant brain tumors most common cause of cancer deaths in adolescents and young adults**

[http://www.eurekalert.org/pub\\_releases/2016-02/abta-mbt022216.php](http://www.eurekalert.org/pub_releases/2016-02/abta-mbt022216.php)

Press Release, American Brain Tumor Association, Feb 24, 2016

**Chicago, Ill., Feb. 24, 2016 - A new report published in the journal *Neuro-Oncology* and funded by the American Brain Tumor Association (ABTA) finds that malignant brain tumors are the most common cause of cancer-related deaths in adolescents and young adults aged 15-39 and the most common cancer occurring among 15-19 year olds.**

The 50-page report, which utilized data from the Central Brain Tumor Registry of the United States (CBTRUS) from 2008-2012, is the first in-depth statistical analysis of brain and central nervous system (CNS) tumors in adolescents and young adults (AYA). Statistics are provided on tumor type, tumor location and age group (15-19, 20-24, 25-29, 30-34 and 35-39) for both malignant and non-malignant brain and CNS tumors.

"When analyzing data in 5-year age increments, researchers discovered that the adolescent and young adult population is not one group but rather several distinct groups that are impacted by very different tumor types as they move into adulthood," said Elizabeth Wilson, president and CEO of the American Brain Tumor Association.

"For these individuals – who are finishing school, pursuing their careers and starting and raising young families – a brain tumor diagnosis is especially cruel and disruptive," added Wilson. "This report enables us for the first time to zero-in on the types of tumors occurring at key intervals over a 25-year time span to help guide critical research investments and strategies for living with a brain tumor that reflect the patient's unique needs."

Although brain and CNS tumors are the most common type of cancer among people aged 15-19, the report shows how other cancers become more common with age. By ages 34-39 years, brain and CNS tumors are the third most common cancer after breast and thyroid cancer.

"What's interesting is the wide variability in the types of brain tumors diagnosed within this age group which paints a much different picture than what we see in adults or in pediatric patients," explained the study's senior author Jill Barnholtz-Sloan, Ph.D., associate professor, Case Comprehensive Cancer Center, Case Western Reserve University School of Medicine and Scientific Principal Investigator for CBTRUS.

"For example, the most common tumor types observed in adults are meningiomas and glioblastomas, but there is much more diversity in the common tumor types observed in the adolescent and young adult population. You also clearly see a transition from predominantly non-malignant and low-grade tumors to predominantly high-grade tumors with increasing age," Barnholtz-Sloan said.

There are nearly 700,000 people in the U.S. living with brain and CNS tumors and approximately 15 percent of these tumors occurred in the AYA population during the 2008-2012 time frame analyzed in this report. Approximately 10,617 brain and CNS tumors are diagnosed among adolescents and young adults each year and are the cause of approximately 434 deaths annually.

"The American Brain Tumor Association's recognition of this understudied population, and their commitment to data and information sharing should be applauded," added Barnholtz-Sloan. "There are clearly unique characteristics of the 15-39 age group that we need to more comprehensively understand and the information in the ABTA report starts that important dialogue."

###

The full report is available at <http://www.abta.org/about-us/news/brain-tumor-statistics/>.

To learn more or access additional statistics, go to <http://www.abta.org>.

<http://bit.ly/1OvDHYy>

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### **Brain Tumor Statistics**

#### **Brain tumors are the:**

- most common cancer among those age 0-19 (leukemia is the second).
- second leading cause of cancer-related deaths in children (males and females) under age 20 (leukemia is the first).

#### **Brain Tumor Statistics:**

- Nearly 78,000 new cases of primary brain tumors are expected to be diagnosed this year. This figure includes nearly 25,000 primary malignant and 53,000 non-malignant brain tumors.
- It is estimated that more than 4,600 children between the ages of 0-19 will be diagnosed with a primary brain tumor this year.
- There are nearly 700,000 people in the U.S. living with a primary brain and central nervous system tumor.
- This year, nearly 17,000 people will lose their battle with a primary malignant and central nervous system brain tumor.
- There are more than 100 histologically distinct types of primary brain and central nervous system tumors.
- Survival after diagnosis with a primary brain tumor varies significantly by age, histology, molecular markers and tumor behavior.
- The median age at diagnosis for all primary brain tumors is 59 years.

#### **Tumor-Specific Statistics:**

- Meningiomas represent 36.4% of all primary brain tumors, making them the most common primary brain tumor. There will be an estimated 24,880 new cases in 2016.
- Gliomas, a broad term which includes all tumors arising from the gluey or supportive tissue of the brain, represent 27% of all brain tumors and 80% of all malignant tumors.
- Glioblastomas represent 15.1% of all primary brain tumors, and 55.1% of all gliomas.

- Glioblastoma has the highest number of cases of all malignant tumors, with an estimated 12,120 new cases predicted in 2016.
- Astrocytomas, including glioblastoma, represent approximately 75% of all gliomas.
- Nerve sheath tumors (such as acoustic neuromas) represent about 8% of all primary brain tumors.
- Pituitary tumors represent 15.5% of all primary brain tumors. There will be an estimated 11,700 new cases of pituitary tumors in 2016.
- Lymphomas represent 2% of all primary brain tumors.
- Oligodendrogliomas represent nearly 2% of all primary brain tumors.
- Medulloblastomas/embryonal/primitive tumors represent 1% of all primary brain tumors.
- The majority of primary tumors (36.4%) are located within the meninges.

<http://www.abta.org/about-us/news/brain-tumor-statistics/>

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## **Modulation of Electromagnetic Radiation Known and Unknown Health Hazards**

### **General Overview**

Modulation of electromagnetic radiation (EMR) is very important but little is known about its importance in the context of cancer risk (see below).

We know, all else being equal, that documented biological effects are larger with modulation (mostly adverse, but some evidence of therapeutic effects as well) than non-modulated (CW—continuous wave) EMR.

There is strong evidence that the Specific Absorption (SA) measured in Joules per kilogram (J/kg), that is, the cumulative hours of exposure is the most important exposure metric though in the case of cancer this is mitigated by the latency time between first exposure and diagnosis. The SA can be thought of as the average absorbed power multiplied by time.

### **Importance of Modulation**

To my knowledge, the only paper to discuss the risk of glioma (brain cancer) by modulation is the pooled glioma study by the Hardell team<sup>1</sup>. This study examines the risk from use of specific wireless phone types (analog, 2G—GSM modulated, 3G—UMTS modulated, and cordless—modulation unstated).

In Table 2, years since first use, for the same category of years of use [limited to >5 to 10 years because of the relatively recent use of UMTS modulated phones] the statistically significant Odds Ratios (ORs) are: GSM modulation, OR=1.7; UMTS modulation, OR=4.1, and cordless phone modulation, OR=1.4.

In Table 3, the risk per 100 hours of cumulative hour of years the risk is consistent with Table 2. GSM modulation, OR=1.047, GSM modulation and cordless phone modulation, OR=1.014.

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<sup>1</sup> Hardell L, Carlberg M. Mobile phone and cordless phone use and the risk for glioma - Analysis of pooled case-control studies in Sweden, 1997-2003 and 2007-2009. *Pathophysiology*. 2015 Mar;22(1):1-13.

The average radiated power of GSM modulated phone is 10s of mW; UMTS modulated is 10 of  $\mu$ W, and for cordless phones, 10 mw in Europe.

In other words, with a 3 orders of magnitude less radiated power from UMTS modulated phone the risk of brain cancer after >5-10 years since first use is 240% higher risk ( $4.1/1.7=2.4$ ) than GSM modulated phones are 290% higher risk than cordless phones; similarly for risk of brain cancer per 100 cumulative hours of use, UMTS modulated phones are 336% higher risks than GSM or cordless phones.

### **Previous Evidence of Higher Risk of UMTS Compared to GSM Modulation**

The Hardell paper cites three studies by Igor Belyaev and other authors:

Of certain interest is the higher risk we observed for 3G mobile phone use compared with other types. However, this observation was based on short latency and rather low numbers of exposed subjects. Contrary to 2G GSM, 3G universal global telecommunications system (UMTS) mobile phones emit wide-band microwave (MW) signals. Hypothetically, UMTS MWs may result in higher biological effects compared to GSM signal because of eventual 'effective' frequencies within the wideband [32, 33]. To our knowledge, there are only two mechanistic studies, which compare effects of 2G and 3G signals using the same experimental approach under well-defined conditions of exposure [32, 34]. UMTS MWs affected chromatin and inhibit formation of DNA double-strand breaks (DSB) co-localizing 53BP1/ $\gamma$ -H2AX DNA repair foci in human lymphocytes from hypersensitive and healthy persons [32]. The data were in line with the hypothesis that the type of signal, UMTS MWs, may have higher biological efficiency and possibly larger health risk effects compared to GSM radiation emissions. The effects of UMTS MWs and GSM-915 MHz MWs on the formation of the DNA repair foci, were statistically different for hypersensitive but not for control subjects [32].

[32] I.Y. Belyaev, E. Markova, L. Hillert, L.O.G. Malmgren, B.R.R. Persson, Microwaves from UMTS/GSM mobile phones induce long-lasting inhibition of 53BP1/-H2AX DNA repair foci in human lymphocytes, *Bioelectromagnetics* 30 (2009) 129–141.

[33] I. Belyaev, Dependence of non-thermal biological effects of microwaves on physical and biological variables: implications for reproducibility and safety standards, in: L. Giuliani, M. Soffritti (Eds.), *European J. Oncol.—Library Non-Thermal Effects and Mechanisms of Interaction between Electromagnetic Fields and Living Matter*, 5, Ramazzini Institute, Bologna, Italy, 2010, pp. 187–218 (An ICEMS Monograph) <http://www.icems.eu/papers.htm?f=/c/a/2009/12/15/MNHJ1B49KH.DTL> (accessed 14.10.21).

[34] E. Markova, L.O.G. Malmgren, I.Y. Belyaev, Microwaves from mobile phones inhibit 53BP1 focus formation in human stem cells more strongly than in differentiated cells: possible mechanistic link to cancer risk, *Environ. Health Perspect.* 118 (2010) 394–399.

Not cited in the Hardell paper were two in vitro studies from the E. U. REFLEX studies on the genotoxicity risk of human fibroblast cells exposed to EMR. These two studies reported the threshold to detect genotoxic effects was found at SAR=0.3 W/kg (Final Report, Risk Evaluation of Potential Environmental Hazards From Low Frequency Electromagnetic Field Exposure Using Sensitive in vitro Methods [REFLEX] pdf page 140) from a GSM modulated exposure and SAR=0.05 W/kg (Schwarz C, Kratochvil E, Pilger A, Kuster N, Adlkofer F, Rüdiger HW. Radiofrequency electromagnetic fields (UMTS, 1,950 MHz) induce genotoxic effects in vitro in human fibroblasts but not in lymphocytes from a UMTS modulated exposure. [Int Arch Occup Environ Health. 2009 Jan;82(2):279-83.] In other words genotoxic effects from a 6-fold lower SAR were induced from a UMTS modulated exposure compared to a GSM modulated exposure.

While these results are far from definitive, they certainly hint that UMTS modulation is far more biologically active than GSM modulation.

Meanwhile additional modulation technologies have been introduced including Wi-Fi in its myriad modes and the 4<sup>th</sup> generation LTE. Additional modulation technologies are under development.

It is reasonable to suspect that when risks are compared between different modulation technologies that additional hazards may be found.

L. Lloyd Morgan  
Sr. Research Fellow, Environmental Health Trust  
@gmail.com

14 September 2015

**From:** Angela < @gmail.com>

**To:**

**Sent:** Monday, May 9, 2016 2:03 AM

**Subject:** Fwd: This Is What Happens When Teachers Draw Attention to the Wireless Elephant in the Classroom

### **This Is What Happens When Teachers Draw Attention to the Wireless Elephant in the Classroom**

In case you have not heard of Math Teacher Shelly McDonald in Rhode Island, who has been fired for drawing attention to the safety issue of Wi-Fi, see below.

Ms. McDonald is intelligent and articulate as you can see in the bottom 2 videos where she addresses her school board on the issue of Wi-Fi health dangers. She has EHS symptoms herself.

From: EMF Refugee <emfrefugee@gmail.com>

Date: Sun, May 8, 2016 at 8:55 PM

Subject: This Is What Happens When Teachers Draw Attention to the Wireless Elephant in the Classroom

To: EMF Refugee <emfrefugee@yahoogroups.com>, emr-updates@yahoogroups.com, EMFBuildingBiologists@yahoogroups.com

**This Is What Happens When Teachers Draw Attention to the Wireless Elephant in the Classroom: They Are Pushed Out of their Jobs, They Are Fired, They Are Blackballed, They Are Blacklisted, and They Face Discrimination Trying to Find Gainful Employment**  
**Math Teacher Fired Because of the PARCC Test and Wi-Fi Rollout**

**NKHS teacher to be fired for insubordination for turning off wireless router** Posted: Friday, February 19, 2016 12:30 am

Two years ago, McDonald, who has taught in North Kingstown for eight years, had advocated to halt Wi-Fi installation in the district's schools, offering studies, testimony and literature relating to the alleged dangers of Wi-Fi to humans.

Following Tuesday's meeting, McDonald, who was diagnosed with Electromagnetic Hypersensitivity Syndrome, said she began having problems around 18 months ago, experiencing sinus pressure and pain that turns into migraines, at times. When she is in areas with Wi-Fi, she finds it difficult to think, McDonald said, among other issues.

“It slows down my thinking,” she said. “It makes me confused and dizzy.”

By James Bessette  
Staff Writer | 9 comments

On a 4-0 vote Tuesday night, the North Kingstown School Committee voted to terminate a high school math teacher at the end of the school year, citing numerous instances of insubordination.

Chairwoman Cheryl Clarkin was absent.

Superintendent Phil Auger alleged Shelley McDonald failed to attend a PARCC exam training session and a PARCC infrastructure trial, and failed to administer the online assessment exam in March at the district’s request. Additionally, McDonald allegedly refused to administer the PARCC in December, which prompted Principal Denise Mancieri to send the math teacher home for the day, Auger said. Near the end of the 2013-14 school year, then high school Principal Thomas Kenworthy, according to Auger, sent a letter of reprimand to McDonald after he became aware she was turning off a wireless router in another teacher’s classroom.

“As superintendent of schools, I cannot allow district staff to be insubordinate to their superiors,” Auger said at the meeting, which was heavily attended by McDonald’s colleagues.

Typically, termination matters are handled in executive session, but the employee can request the hearing be public. Mary Ann Carroll, the school district’s legal counsel, said the School Committee needed to vote on the matter Tuesday because March 1 is the deadline to notify teachers of layoffs and/or terminations for the following school year. She also said the hearing was a “pre-hearing,” not necessarily a final decision.

National Education Association Rhode Island Deputy Executive Director John Leidecker said McDonald plans to appeal the decision to the School Committee, either via a public evidentiary hearing or in private. In executive session Tuesday, the School Committee also approved the suspension of another teacher for the remainder of the school year, followed by termination. That teacher’s name was not made public.

Two years ago, McDonald, who has taught in North Kingstown for eight years, had advocated to halt Wi-Fi installation in the district’s schools, offering studies, testimony and literature relating to the alleged dangers of Wi-Fi to humans.

Following Tuesday’s meeting, McDonald, who was diagnosed with Electromagnetic Hypersensitivity Syndrome, said she began having problems around 18 months ago, experiencing sinus pressure and pain that turns into migraines, at times. When she is in areas with Wi-Fi, she finds it difficult to think, McDonald said, among other issues.

“It slows down my thinking,” she said. “It makes me confused and dizzy.”

During a March 2014 meeting, McDonald pressed Auger to sign a “statement of accountability,” assuring the district’s insurance covered health matters allegedly caused by Wi-Fi. At that meeting, McDonald was joined by Town Councilor Kerry McKay, who said due diligence needed to be done “to see if there are any potential alternatives” to Wi-Fi installation if the potential existed for harm to the town’s children.

Auger said at the meeting – and reiterated Tuesday night – the state Department of Health has said Wi-Fi is not harmful to humans. In her statement to the school board, McDonald said she thinks she was being recommended for termination because she regularly advocates against Wi-Fi, for the health and well-being of herself and others in the building.

Leidecker said he regarded McDonald's termination as "retaliation" because she "chose to speak out." He alleged McDonald's requests for accommodations, such as disconnecting Wi-Fi in her classroom and not using Chromebooks in her class, were denied without investigation.

He provided a letter from McDonald's doctor that stated her symptoms were "causally related" to Wi-Fi wave exposure. Leidecker alleged school officials "demanded" to see McDonald's medical records, but the math teacher was reluctant to divulge that information, instead inviting committee members and the school's legal counsel to speak with the doctor directly.

McDonald also said two years ago, Auger threatened to terminate her if she continued to raise her concerns about Wi-Fi health issues – he denies that claim.

"I persist despite Dr. Auger's warning because a very serious health risk exists in our classrooms," she said, "and I have a responsibility to my students and their families to advocate the school remove that threat."

Auger said the hearing was not about her advocacy, but rather the issue of employees "picking and choosing" which rules they'll follow.

"That will lead to problems of efficiency in getting our mission done," Auger said.

McDonald said she did not skip the PARCC infrastructure trial, the email invitation was mistakenly sent to another math teacher with the same last name, Brian McDonald instead. She said she uses technology in her classroom on a daily basis, and has taught in classrooms equipped with smartboards. She said she was unaware of specific directives to use technology, but that she uses what is available to her "in a safe and responsible manner, when appropriate."

Leidecker read evaluations from McDonald's colleagues, which called her an "effective" teacher and "the kind of teacher you want to retain."

She said she never refused to attend technology-based training sessions, noting she participated in "several" PARCC training sessions. McDonald said she requested to be trained on hard-wired computers, rather than on wireless devices, because exposure to electromagnetic fields "makes [her] sick."

"I've made that clear; I never refused to give an assessment" she said.

Leidecker argued Pearson, the company that runs the PARCC exams, also requires teachers to agree to its terms, which include teachers disclosing personal information such as Social Security numbers, addresses and other personal information, prior to administering the test, which caused McDonald to be reluctant to click "agree." Leidecker also said Pearson regards this information as "assets" the company may sell off. Auger said the district received written clarification from the state Department of Education that Pearson has access to teacher names and subject areas, but not personal information.

He said the district "does not pass along" Social Security numbers to the company. Auger also said the district has yet to receive McDonald's formal response as to whether she will agree to the terms to administer the PARCC in April. Leidecker said the RIDE clarification was received Monday and there are still open discussions about disclosures the teachers must make. McDonald can't say "at this point" if she would agree to the terms because a final document of what information Pearson will gather has yet to be provided, Leidecker said.

Auger said no other teachers “to his knowledge” refused to sign the Pearson agreement before administering the PARCC. Committee member Lynda Avanzato acknowledged McDonald contacted committee members several times about her concerns, but said the situation morphed into “doing something that is not part” of her job.

Carroll said McDonald requested a meeting and two letters were presented to school officials, one from a Wakefield-based walk-in clinic stating the teacher was allergic to electromagnetic radiation and another noting McDonald had migraine headaches while in school. Carroll said the district requested a release to speak with McDonald’s doctor, but McDonald denied that request in an April 6 letter to Auger, citing possible strain on the doctor/patient relationship.

In an April 15 letter, Auger wrote McDonald had not offered “sufficient documentation” to support her request for accommodations.

[nk@independentri.com](mailto:nk@independentri.com)

[http://www.independentri.com/independents/ind/north\\_kingstown/article\\_176141ec-4604-5126-828b-f327f279957d.html](http://www.independentri.com/independents/ind/north_kingstown/article_176141ec-4604-5126-828b-f327f279957d.html) Math Teacher Raises Concerns About WiFi Comparing the Effects To A Concussion

Published on Feb 11, 2016

Watch this courageous math teacher share her story and explain the health effects of wireless radiation. She regularly went to meetings. Then she was fired.

Wi-Fi in Schools Risks Students Health says Rhode Island Teacher

Published on Feb 11, 2016

This Math teacher states Wi-Fi in classrooms is worse than a cell tower and has measurements to prove it. Be sure to watch the ending where a Board members efforts to ask a question is thwarted by the Chair!

Learn more at [parentsfor safetechnology.org](http://parentsfor safetechnology.org)

Math Teacher asks School To Protect Children From Wi-Fi

Published on Feb 11, 2016

This teacher goes to meetings regularly to raise awareness. Learn more at [Parentsfor safetechnology.org](http://Parentsfor safetechnology.org)  
THE ELEPHANT IN THE CLASSROOM

Posted on February 25, 2016 by admin

THE ELEPHANT IN THE CLASSROOM

by Mary Adkins, M.Ed.

I’m writing in response to a recent television news story (Turn to 10/NBC News Brian Crandall) about North Kingstown teacher Shelley McDonald. Ms. McDonald is the teacher the NK School Committee recently voted to fire, supposedly for insubordination:

<http://turnto10.com/news/local/north-kingstown-teacher-says-shes-being-fired-because-she-believes-wifi-is-health-hazard>

Contrary to the school’s position, the fact pattern suggests (and I’m sure every teacher attending the school committee meeting would concur) that Ms. McDonald is actually being retaliated against for bringing concerns about the health hazards of Wi-Fi to the attention of the public.

I am intimately familiar with this issue (and the retaliation that goes along with speaking out about it) as my own two children were irreparably harmed after industrial strength wireless networks were installed in their public charter and public district schools here in Rhode Island.

These installations were accomplished without parental notification about the class 2B carcinogen (electromagnetic radiation) being emitted by the Wi-Fi access points and other wireless devices (laptops, SmartBoards, etc.). Parents were never given the facts about these installations, and as a result it took a long time to make the connection between the progression of my children's symptoms and the radiation being emitted by the wireless devices in their schools. Unfortunately by the time the pieces of the puzzle fit together, the damage was already done and my kids had developed what I've been told will be a lifelong, permanent and disabling sensitivity.

Potentially life threatening symptoms can result in a person who is reactive to wireless radiation, including (but not limited to) an allergic-like mast cell/histamine response which leads to excessive production of thick mucus that clogs the airway and digestive tract, interfering with normal respiratory and digestive functioning.

Emerging evidences suggests cardiac effects from the mast cell response as well. The standard, knee-jerk public response (promulgated by well-funded industry spinmasters) include 'tin foil hat' comments and outright ridicule when it is suggested people can be made sick by wireless radiation. The harsh reality is that those who are affected—very often children and teachers, because of their chronic exposure—are experiencing disabling asthmatic-like episodes, immunological dysfunction, chronic sinusitis, choking/anaphylaxis, respiratory infection, digestive problems, seizures, strokes, heart arrhythmia, neurological damage and more after exposures of high enough intensity or duration. This is no laughing matter, and it's not a matter of opinion but a matter of scientific fact, as inconvenient as this may be for those who are helplessly addicted to their wireless gadgets.

The mast cell/histamine response to electromagnetic radiation is well documented by Olle Johansson, Ph.D., of the prestigious Karolinska Institute, which awards the Nobel prize for medicine. Similar mast cell response symptoms have been reported by parents across the country who claim the onset of their children's respiratory, digestive, neurological, and/or cardiac problems began after installation of Wi-Fi networks in their children's schools. Onset of heart arrhythmia upon exposure to 2.45 GHz radiation (same frequency as Wi-Fi) has been noted by researcher Magda Havas, Ph.D., of Trent University in her published research, something that should give parents grave cause for concern considering defibrillators are now a standard fixture in all our schools. Having worked for the Department of Defense as a conscientious servant of the public trust, I grew deeply disturbed as I uncovered more and more scientific studies disproving the common myth (perpetuated by the schools) that Wi-Fi is "safe," research I undertook after my own children became sick. I realized very quickly that school officials had not done their homework before rolling out this technology in our schools. Just because something is popular, convenient, and offered for sale does not mean it is safe – think about the damage done by Big Tobacco, Lead Paint, Asbestos, and pesticides over the last century. My personal research confirmed what scientists worldwide have known for many decades – that the pulse-modulated, radio frequency/microwaves being emitted by these wireless access points and other wireless devices (including cell phones and wireless utility AMR and AMI 'smart' meters) are not safe at all. These devices are actually, one could argue, emitting the equivalent of weapons-grade microwaves, and people are consistently reporting symptoms that would tend to validate that description.

In the case of Wi-Fi in schools those emissions are effectively irradiating our children and school staff all day long, whether wireless devices (laptops, iPads, SmartBoards, etc.) are in use or not because the wireless access points emit radiation 24/7. And even more absurdly, these devices have been installed (in the form of wireless routers/access points) literally over the heads of our children and teachers in the classroom. After my two children were made irreversibly ill from the radiation produced by the Wi-Fi networks in their school, I attempted to prevent others from suffering the same fate. I approached our Superintendent, the School

Committee, then Commissioner of RI Department of Education, Deborah Gist, as well as the RI Dept. of Health with stacks of research, imploring them all to take action. ALL of these individuals/agencies seemingly ignored my concerns, along with the overwhelming evidence of harm I provided to them. Instead of taking action schools statewide installed more Wi-Fi, and sought out additional taxpayer dollars to do it.

To the best of my knowledge, not once did any of these school officials consult with the scientists whose contact information I provided to them, with the exception of one former school committee member (a scientist himself) who it appeared recognized the harm that was being done after reviewing the studies I provided.

He said he would try to “mitigate the damage,” but subsequently lost his bid for re-election. I was eventually forced to remove my children from school after officials committed what one could argue are unlawful acts, namely discriminating against my children and refusing to accommodate their disability (a disability which one could argue THEY created) in order that my children could safely access their education.

Do you suppose this apparent local and statewide systematic collusion to ignore the “canaries in the coal mine” is due to the fact that these schools received millions in free federal funds as part of the Race to the Top and E-Rate programs? Not to mention all the local and state funds that were sought in support of the Wireless Classroom Initiative, even though the fact pattern suggests that by this time local school officials and former RIDE Commissioner Deborah Gist were all well aware that the ‘canaries’ were starting to fall.

Why would any responsible public official add more Wi-Fi when children were already getting sick and there were decades of research to substantiate the harm being done by this technology?

One could argue it was because school officials didn’t want to turn away those free funds, nor did they want to admit that they may have been negligent in installing this technology in the first place. You see, many of these same officials have received lucrative bonuses, promotions, and career accolades for building up these ‘state-of-the-art’ wireless networks. Most have built their career legacies on the premise that wireless technology is ‘necessary’ and ‘safe’ (neither of which are true, based on what I’ve learned).

So while technology certainly has its place at school, Wi-Fi is simply a MEANS of access – it is NOT a necessity. That access can be achieved safely, readily, and much more inexpensively via hardwired computer connections that were already in place and have been successfully used for many years. Yet the ‘modus operandi’ amongst school officials seems to be denial of the harm (is this to avoid liability?) as well as perpetuation of the telecom-promoted myth that Wi-Fi is necessary and children can’t be educated without it.

Was this done to justify spending taxpayer dollars for something our kids don’t actually need, while reaping the personal financial benefits that resulted from moving forward with these wireless initiatives? One also has to ask: Did RIDOH help perpetuate this fraud because they mistakenly turned a blind eye during a pivotal moment when the harm was brought to their attention and something could have/should have been done? Or does RIDOH really know better than all the top scientists in this field? Which ones did they consult? I’m guessing it was none of them, which might explain why I’ve seen no signed affidavit from RIDOH to date that confirms the unequivocal safety of WiFi.

This denial on the part of school and state officials is happening all over the country as children and teachers continue to report they are getting sick from Wi-Fi. See *Child G vs. Fay School in Massachusetts*, which will be headed to trial in August:

<https://scoopfeeddotnet.files.wordpress.com/2015/08/complaint-childg-v-fay-filed.pdf>

Electromagnetic hypersensitivity is obviously a growing, nationwide problem, as evidenced by the huge numbers of organizations that have sprung up in support of people who are suffering, as well as a special forum recently held by our own RI Governor's Commission on Disabilities this past August.

The RIGCD forum was specifically scheduled to accommodate and hear the concerns of the growing numbers of people who have become disabled by their exposure to wireless devices (many of them unknowingly exposed in the workplace like NK teacher Ms. McDonald). People are becoming sick because most employers (particularly schools) have NOT duly informed employees that Wi-Fi networks emit potentially hazardous levels of electromagnetic radiation, a notification that seems to be required by law under the RI Hazardous Substances Right-to-Know Act (see R.I.G.L. §28-21-2(13)). When brought to the attention of the RI Dept. of Labor, however (by myself), nothing was done. In the meantime I've watched Ms. McDonald and countless children and teachers develop symptoms consistent with electrosensitivity.

Radiation generated by wireless devices is a class 2b carcinogen, designated as such by the International Agency for Research on Cancer (IARC). By the same token, parents are not being informed of the toxic school environment that their children are being subjected to every day either; so they don't make the connection between their children's symptoms and the exposure to Wi-Fi. See dosimeter results from a child's typical school day here and learn about what kinds of symptoms can result from exposure:  
<http://safetechforschoolsmaryland.blogspot.com/2015/12/122015-lawsuit-headed-to-trial-for.html>

Who exactly is going to foot the bill for the incalculable damage that is being done? I can assure you it won't be the schools' insurance companies, as they will not cover injuries caused by wireless electromagnetic radiation. No, it will be the taxpayer who gets left holding the bag – taxpayers like you and me:  
[http://www.stopumts.nl/doc.php/Juridische%20Informatie/9123/lloyd%E2%80%99s\\_of\\_london\\_excludes\\_liability\\_coverage\\_for\\_rf\\_emf\\_claims](http://www.stopumts.nl/doc.php/Juridische%20Informatie/9123/lloyd%E2%80%99s_of_london_excludes_liability_coverage_for_rf_emf_claims)

For the past six years, the fact pattern suggests there is a systematic cover-up taking place at a local and state level. This cover-up is being perpetrated by both local and state officials on the issue of Wi-Fi in schools, not just in North Kingstown but throughout the state and across the country. The public trust is being egregiously violated as the equivalent of a slow-motion genocide is carried out in plain sight, all under the guise of wanting to provide your child with a '21st Century education'. Unfortunately that '21st Century education' comes at a very steep price for our children and teachers, one that is – quite frankly – not worth dying for.

'Alarming' rates of chronic absenteeism at the high school have been reported in my local paper, and I'm aware there are growing numbers of children being forced into home-based instruction and/or dis-enrolling (attending home school or private school) due to illness and/or inability to function in the school environment. Rates of ADHD, learning disabilities, and autism spectrum disorders are skyrocketing. I receive numerous reports from other parents, as well as my children's friends (who are still in school), that large numbers of students are suffering from headaches/migraines, cognitive deficits, attention difficulties, heart arrhythmia, nausea, dizziness, respiratory symptoms, digestive problems, fatigue, and more in our schools – all are symptoms consistent with microwave sickness/electrosensitivity. The same symptom pattern is being reported by teachers, such as Ms. McDonald.

Along with growing reports of sick children, five teachers/staff members have died in my local high school since I first brought my concerns about Wi-Fi to my local school district here in South Kingstown. I want to know why these teachers are dying, and why my tax dollars are being used to support a technology that scientists worldwide claim is not safe. One of those teachers was my neighbor (a 35-year-old mother of three). She relayed to me a long list of her symptoms that I clearly recognized to be consistent with microwave sickness, but by that time she had already developed cancer. She explained she had been an amazingly healthy woman—that is, until the day she walked into the door of our local school for her first teaching job, when all her symptoms began. She is dead now, and her children are without a mother. And though many have (and

will) repeatedly chastise me for bringing up these dead teachers, I would argue that they deserve a voice as they are no longer here to speak for themselves. And in my mind, their deaths are unacceptable and tragic, particularly in light of the data I delivered on a silver platter to my local school officials. Data that I could argue my public school district and others failed to act upon.

There is a public health crisis in the making, and while school officials ignore the obvious and stick their heads in the sand, the telecom companies continue to reap record profits off the backs of our children and teachers while (one could argue) permanent damage is caused in the process. Our kids and school staff are being irradiated with a class 2b carcinogen for 6-8 hours per day – such an assault on the human body is not without consequence.

Electromagnetic radiation is pumping out of those industrial-strength access points co-located throughout the school, along with multiple wireless devices (laptops, iPads, SmartBoards, etc.), all transmitting simultaneously. Interestingly though, I doubt you'll see one of those access points installed over the heads of school officials inside THEIR offices. No, instead those access points are in the classrooms, hallways, libraries, gymnasiums, and cafeteria – places where children and teachers congregate—and thus they bear the brunt of the exposure.

It's my opinion these access points are configured, installed, and operated in a manner that is not consistent with applicable safety guidelines (guidelines which were never biologically based in the first place). Scientists worldwide agree with my concerns, as does the American Academy of Environmental Medicine and the American Academy of Pediatrics. I state my viewpoint as an educated, intelligent person who has taken the time to do thousands of hours of personal research on behalf of my children – without any conflicts of interest.

I come to my conclusions in light of my professional background, having worked for DoD in a multidisciplinary capacity where I became accustomed to investigating and documenting how people bend the rules and/or look the other way, taking shortcuts that could end up costing people their lives. I state my opinion (backed up by scientific fact) as a mother who has watched her children suffer needlessly because people didn't take the time to do their jobs properly, and I am understandably angry. And rest assured, I and the Shelley McDonalds of the world are NOT going away.

Current safety guidelines are irrelevant because they are not biologically based. Read that statement again, because it couldn't be more clear.

Additionally, there is a blatant ERROR in those guidelines (namely, the omission of the fact that every human cellular process is controlled by electrical fields). This omission/error in current standards has been identified repeatedly in the public domain, but public officials are failing to act despite this. To make it simple...people—namely, IT/engineer types without the proper, multidisciplinary training which includes biological expertise—neglected to understand that human cells are actually controlled via exquisitely sensitive electrical fields.

And yet those same people who lacked the necessary skills/training developed guidelines for the rest of us pertaining to human safety, without taking those human electrical fields into consideration. Dr. Martin Pall perhaps explains best what happens biologically upon exposure to wireless radiation:  
<https://www.youtube.com/watch?v=Pjt0iJThPU0>

Omitting this key parameter – neglecting to consider the electrical fields generated by every cell in the human body and how microwaves affect those fields – renders it impossible to establish unequivocally 'safe' levels, especially in chronic exposure situations. The result is safety guidelines that are deeply flawed and protect NO ONE, least of all our children and teachers who are sitting in this toxic microwave soup all day long.

Those same IT/engineering types at our local schools (who also lack expertise in the biological sciences) have blindly relied on those inadequate guidelines (developed by their own kind) to proclaim it therefore ‘safe’ to irradiate your child for 6-8 hours per day, 180 days per year! Is there anything more absurd than this? Yes, sadly there is: The endorsement of their actions by our local Superintendents, School Committees, RIDE, and RIDOH – all of whom are also lacking in the appropriate multidisciplinary expertise, but yet don’t bother to pick up the phone to consult with world-renowned experts who DO have the necessary training and decades of experience.

Despite Ms. McDonald, myself, and many other parents bringing all of this information to the attention of school and state officials, there has been a systematic denial of the overwhelming evidence of harm. Stacks of scientific studies (thousands of them) have been dismissed outright. School medical consultants with no expertise in the biological effects of radiation are doing (what the fact pattern suggests) is the equivalent of a 5-minute google search in order to back up their employers’ (the schools’) claims that Wi-Fi is safe for our children, all the while ignoring mountains of decades-old as well as current research to the contrary, along with the insistence of scientists worldwide that we are in the midst of a public health crisis like none we’ve ever seen:

<https://www.emfscientist.org/>

Even SwissCom, one of Europe’s biggest telecom providers, admits in their own patent application that Wi-Fi (as currently designed) is not safe:

<http://stopsmartmeters.org.uk/major-phone-firm-patent-admits-non-thermal-exposures-to-wireless-radiation-is-genotoxic-causes-clear-damage-to-hereditary-material/>

There is an elephant in the classroom, and it doesn’t take a rocket scientist to realize that school officials are playing Russian Roulette with our children’s lives. Now they’re railroading Ms. McDonald out of a job, too, simply for having the guts to stand up and bring attention to their negligence. It’s time for everyone involved to be held accountable and to stop attacking the canaries in the coal mine – like Ms. McDonald – who are already suffering enough.

When this kind of collusion/cover-up occurs within the ranks of the Department of Defense, heads historically roll and the people responsible are rightfully convicted of crimes and sent to jail. This is exactly where, in my opinion, those who are responsible for perpetrating this terrible fraud upon the public trust and these crimes upon our children and teachers belong – in jail. Every single last one of them, including the seemingly unethical legal professionals who stood by and did nothing, encouraging school officials to move forward with installing this technology despite the mounting evidence of harm. There is no excuse for the inaction of our public officials on this issue.

History will vindicate Ms. McDonald, as well as the rest of us who stood up all along for the welfare of our children and teachers.

Sincerely,

Mary Adkins, M.Ed.

Rhode Island Regional Director Citizens for Safe Technology

[www.citizensforsafetechnology.org](http://www.citizensforsafetechnology.org)

(Former Configuration Manager, Mark 48 Advanced Capability Torpedo Program, Dept. of Defense/NUWC)

<http://haltmarmeters.org/the-elephant-in-the-classroom/>

**From:** Andrew Michrowski <paceincnet@gmail.com>  
**To:** Jonathan <@.org>  
**Sent:** Saturday, May 7, 2016 7:32 PM  
**Subject:** Re: responding to "science sceptics"

## Responding to "Science Skeptics"

Monsieur Johnathan Mirin et Godeliève Richard,

How about these studies?

Andrew Michrowski  
Planetary Association for Clean Energy, Inc.  
Ottawa, Canada

### **"Hot Nano Spots" as an Interpretation of So-Called Non-Thermal Biological Mobile Phone Effects**

Pfützner, H. (2016) "Hot Nano Spots" as an Interpretation of So-Called Non-Thermal Biological Mobile Phone Effects. *Journal of Electromagnetic Analysis and Applications*, 8, 62-69. doi: 10.4236/jemaa.2016.83007. *Environ Res.* 2016 Apr 27;148:367-375. doi: 10.1016/j.envres.2016.04.018. [Epub ahead of print]

#### **Abstract**

Indications exist that mobile phones may cause non-specific biological effects. They are classified as being of implausible non-thermal nature due to low quantum energy and low specific absorption rate levels, even if considering worst cases of 'hot spots' of only millimeter size. The considerations of this paper demonstrate that classical theory of polarization offers a conventional interpretation for all three the existence of so far unclarified effects, their low reproducibility and their low intensity. The basis of this explanation is given by the assumption that hot spots contain even hotter 'nano spots' on a molecular level according to well-known mechanisms of  $\gamma$ -relaxation. In this paper, the concept is put for discussion assuming a heterogeneous system that consists of water molecules as well as larger-sized functional molecules. A consistent interpretation through temperature increase on the level of nanometer sized molecular compounds promises to favor interdisciplinary discussions with respect to safety regulations.

<http://bit.ly/1SIOMsB>

#### **Conclusions**

Rather simple theoretical considerations that are based on conventional models of polarization yield the following main conclusions:

- 1) The usual SAR concept lacks from the fact that 'hot spots' are defined as rather large regions with millimeter dimensions.
- 2) It is likely that such a region contains molecules which happen to show  $\gamma$ -relaxation at mobile phone frequencies, thus representing considerably hotter 'nano spots' which are not detected by the restricted resolution of SAR calculations or thermal measurements, respectively.
- 3) A given SAR-based microwave heating rate will affect such molecules more intensively than the same rate produced by non-microwave heating. The functional molecular behavior will correspond to the excess, 'local' nano spot energy.

- 4) The hot nano spot will show thermal interaction with its cooler surrounding, analogous to the interaction of a hot spot with its even more cool surrounding, however, at a smaller (molecular) level.
- 5) The mechanism means that most so-called non-thermal effects – if not all – are of thermal nature in fact. The insignificant extent of effects is due to randomly distributed constellations that yield a hot nano spot.
- 6) A consistent interpretation of effects as thermal ones promises to favor interdisciplinary discussions of risks.
- 7) The estimation of risk through a mere, single SAR value is not satisfactory. A second parameter may express the proneness to possible molecular effects, depending on the given band of frequency.

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### **Analysis of the Genotoxic Effects of Mobile Phone Radiation using Buccal Micronucleus Assay: A Comparative Evaluation**

Banerjee S, Singh NN, Sreedhar G, Mukherjee S. Analysis of the Genotoxic Effects of Mobile Phone Radiation using Buccal Micronucleus Assay: A Comparative Evaluation. *J Clin Diagn Res.* 2016 Mar;10(3):ZC82-5. doi: 10.7860/JCDR/2016/17592.7505. Epub 2016 Mar 1.

#### **Abstract**

**INTRODUCTION:** Micronucleus (MN) is considered to be a reliable marker for genotoxic damage and it determines the presence and the extent of the chromosomal damage. The MN is formed due to DNA damage or chromosomal disarrangements. The MN has a close association with cancer incidences. In the new era, mobile phones are constantly gaining popularity specifically in the young generation, but this device uses radiofrequency radiation that may have a possible carcinogenic effect. The available reports related to the carcinogenic effect of mobile radiation on oral mucosa are contradictory.

**AIM:** To explore the effects of mobile phone radiation on the MN frequency in oral mucosal cells.

**MATERIALS AND METHODS:** The subjects were divided into two major groups: low mobile phone users and high mobile phone users. Subjects who used their mobile phone since less than five years and less than three hours a week comprised of the first group and those who used their mobile since more than five years and more than 10 hours a week comprised of the second group. Net surfing and text messaging was not considered in this study. Exfoliated buccal mucosal cells were collected from both the groups and the cells were stained with DNA-specific stain acridine orange. Thousand exfoliated buccal mucosal cells were screened and the cells which were positive for micronuclei were counted. The micronucleus frequency was represented as mean $\pm$ SD, and unpaired Student t-test was used for intergroup comparisons.

**RESULTS:** The number of micronucleated cells/ 1000 exfoliated buccal mucosal cells was found to be significantly increased in high mobile phone users group than the low mobile phone users group. The use of mobile phone with the associated complaint of warmth around the ear showed a maximum increase in the number of micronucleated cells /1000 exfoliated buccal mucosal cells.

**CONCLUSION:** Mobile phone radiation even in the permissible range when used for longer duration causes significant genotoxicity. The genotoxicity can be avoided to some extent by the regular use of headphones.

<http://1.usa.gov/1roPZy3>

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### **Mobile Phone Use and the Risk of Parotid Gland Tumors: A Retrospective Case-Control Study**

Al-Qahtani K. Mobile Phone Use and the Risk of Parotid Gland Tumors: A Retrospective Case-Control Study. *Gulf J Oncolog.* 2016 Jan;1(20):71-8.

### **Abstract**

**BACKGROUND:** Mobile phones are integral part of the modern lifestyle. As they emit radio frequency electromagnetic field, their role in carcinogenesis needs to be ascertained. The goal of this study was to investigate the association between the use of cellular phones and the risk for parotid gland tumors.

**MATERIALS AND METHODS:** A total of 26 patients diagnosed with parotid gland tumors and 61 healthy controls were enrolled through a hospital-based retrospective case-control study. The patients were referred and admitted to a tertiary hospital from January 1996 to March 2013.

**RESULTS:** The odds of exposure were 3.47 times higher among patients compared to their controls. 95% CI suggested that the true Odds Ratio (OR) at the population level could be somewhere between 1.3 and 9.23 and so the observed OR was statistically significant at 5% level of significance.

**CONCLUSIONS:** Overall, an association between the exposure of cellular phone use for more than 1 hour daily and parotid tumor was observed. This association should be interpreted with caution because of the relatively small sample size.

<http://1.usa.gov/23mhSTr>

### **Is it Blue Light or Increased Electromagnetic Fields which Affects the Circadian Rhythm in People who Use Smartphones at Night**

Mortazavi SM, Mortazavi SA, Habibzadeh P, Mortazavi G. Is it Blue Light or Increased Electromagnetic Fields which Affects the Circadian Rhythm in People who Use Smartphones at Night. *Iran J Public Health.* 2016 Mar;45(3):405-406.

Letter to Editor: <http://bit.ly/1SP0hP6>

### **Evaluation of the Genetic Response of U937 and Jurkat Cells to 10-Nanosecond Electrical Pulses (nsEP)**

Roth CC, Glickman RD, Tolstykh GP, Estlack LE, Moen EK, Echchgadda I, Beier HT, Barnes RA Jr, Ibey BL. Evaluation of the Genetic Response of U937 and Jurkat Cells to 10-Nanosecond Electrical Pulses (nsEP). *PLoS One.* 2016 May 2;11(5):e0154555. doi: 10.1371/journal.pone.0154555.

### **Abstract**

Nanosecond electrical pulse (nsEP) exposure activates signaling pathways, produces oxidative stress, stimulates hormone secretion, causes cell swelling and induces apoptotic and necrotic death. The underlying biophysical connection(s) between these diverse cellular reactions and nsEP has yet to be elucidated. Using global genetic analysis, we evaluated how two commonly studied cell types, U937 and Jurkat, respond to nsEP exposure. We hypothesized that by studying the genetic response of the cells following exposure, we would gain direct insight into the stresses experienced by the cell and in turn better understand the biophysical interaction taking place during the exposure. Using Ingenuity Systems software, we found genes associated with cell growth, movement and development to be significantly up-regulated in both cell types 4 h post exposure to nsEP. In agreement with our hypothesis, we also found that both cell lines exhibit significant biological changes consistent with mechanical stress induction. These results advance nsEP research by providing strong evidence that the interaction of nsEPs with cells involves mechanical stress.

Open Access Paper: <http://bit.ly/1Oes35A>

## **Modulation of Ca(2+)-Dependent Proteolysis under the Action of Weak Low-Frequency Magnetic Fields [Article in Russian]**

Kantserova NP, Lysenko LA, Ushakova NV, Krylov VV, Nemova NN. Modulation of Ca(2+)-Dependent Proteolysis under the Action of Weak Low-Frequency Magnetic Fields. *Bioorg Khim.* 2015 Nov-Dec;41(6):725-30.

### **Abstract**

The study aimed to determine the molecular targets of magnetic fields in living objects. Time-dependent effects of weak low-frequency magnetic field tuned to the parametric resonance for calcium ions were studied on model organisms (fish, whelk). The dynamics of Ca(2+)-dependent proteinase activity under the exposure to magnetic fields with given parameters was determined and minimal time of exposure in order to achieve inactivation of these proteinases was found out as well. As hyperactivation of Ca(2+)-dependent proteinases is a basis of degenerative pathology development the therapeutic potential of weak low-frequency magnetic fields enabling to modulate Ca(2+)-dependent proteinase activity is supported.

<http://1.usa.gov/26LmqHL>

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Joel M. Moskowitz, Ph.D., Director  
Center for Family and Community Health  
School of Public Health  
University of California, Berkeley

### **Electromagnetic Radiation Safety**

Website: <http://www.saferemr.com>  
Facebook: <http://www.facebook.com/SaferEMR>  
News Releases: <http://pressroom.prlog.org/jmm716/>  
Twitter: @berkeleyprc

On Sat, May 7, 2016 at 6:59 PM, Jonathan <@.org> wrote:

Friends,

I am in the process of trying to get a rather large non-profit organization to adopt the principle of precaution re: wireless. Below is one response to my proposal. I have plenty of things to say to "Dick" and can refer him to the bioinitiative report, etc. but I thought some of the researchers on this list might have some responses I could include and that these responses might be of value to others.

Thanks for taking a look!

Jonathan

co-creator, Innocenzo

author, "All I Really Need to Know About EMF I Learned After My Wife Got Sick"

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. . . However, the proposal you sent taps too many conditioned reflexes arising from a career that included reviewing research papers for publication (MIT)

. Sending this to you is my way of purging it. I didn't go back to the original research, but the following are things that I would / will eventually want to check on:

Some followup thoughts

A significant result is not proof. When a researcher states that a result is significant at the 0.05 chance of error, this means that there is a 1 in 20 chance that the data sample is not representative and the results are in error.

Someone should check the original research papers to see if the studies were done double-blind, i.e. the person looking for the effects (tumors, agitation, etc) has no idea which subject received the radiation. There is a large and ironclad body of evidence that researcher bias can influence results. Double-blind protocols are the gold standard to prevent researcher bias.

Three studies do not make for overwhelming evidence. How many studies have shown negative effects of Wi-Fi radiation? Are the papers peer reviewed? How prestigious were the journals that published the papers?

The cancer in animal study probably uses a strain of mice that are readily prone to cancer, and the researcher is looking for an increased rate of tumor formation. Almost no one uses normal, un-susceptible mice for cancer studies. Consequently, the researcher is looking for a change in the rate of cancer, not the appearance of cancers when none are expected.

In one of the studies, the dose response curve shows a low dose effect of radiation, but not a high dose effect. The proposer suggests this means that the results are even more alarming, that lower doses may be more dangerous than high. I would argue that a single low dose effect should be interpreted as higher variance in the data. If all doses are tested individually for significance it is too easy for there to be a false positive: Again, at a 0.05 level of significance, if there were 20 doses tested individually, there is a high probability that one of them will be a false positive.

Study referred to:

<http://microwavenews.com/news-center/rf- animal-cancer- promotion>

Jonathan Mirin / Godeliève Richard  
Piti Théâtre Company  
+1 413 625 6569 (USA)  
+41 (0)32 937 13 21 (Switzerland)  
Sent from our wired computer

You received this message because you are subscribed to the Google Groups "emfcontacts" group.

**From:** Angela < @gmail.com>

**To:**

**Sent:** Tuesday, May 10, 2016 3:18 AM

**Subject:** 1%/yr increase in brain cancer in ages 15-19. \$1.9 Bil. Brain Cancer Lawsuits. No insurance for cell carriers!

**1%/yr Increase in Brain Cancer in Ages 15-19; \$1.9 Bil. Brain Cancer Lawsuits; No Insurance for Cell Carriers!**

The study that appeared in Neuro-oncology that found that brain cancer is the most common cancer among 15-19 year olds is attached. The study also showed that 32.4% of all cancers in children ages 0-14 are cancers of the brain and central nervous system.

### **Brain Tumor Rates Increasing in US**

There has been a significant increase in the incidence of primary malignant brain and central nervous system (CNS) tumors in American children (0-14 years of age) between 2000-2010, with an annual percentage change

(APC) of +0.6%/year. In adolescents (15-19 years old), there was a significant increase in the incidence of primary malignant brain and CNS tumors between 2000-2008, with an APC of 1.0%. Adolescents also experienced an increase in non-malignant brain and CNS tumors from 2004-2010, with an APC of 3.9%. In a subsample of 556 youths for whom cell phone company records were available, there was a significant association between the time since first mobile phone subscription and brain tumor risk. **Children who used cellphones for 2.8 or more years were twice as likely to have a brain tumor than those who never regularly used cellphones (OR = 2.15, 95% CI = 1.07 to 4.29).** See November 3, 2015 post at <http://www.saferemr.com/2015/05/brain-tumor-rates-are-rising-in-us-role.html> (This website's author is Dr. Joel Moskowitz, who is the Director and Principal Investigator of the Center for Family and Community Health at UC-Berkeley's School of Public Health.)

### **Brain Tumor Lawsuits**

\$1.9 billion in 13 lawsuits against Motorola and cell providers, centering around a Motorola handset technician developing brain cancer (he is dead now – the lawsuit was started 15 years ago). Verizon indicates they "*may incur significant expenses in defending these lawsuits,*" Verizon wrote in its 2015 annual filing. "*In addition, we may be required to pay significant awards or settlements.*"

<http://www.wsj.com/articles/case-on-health-risk-from-cellphones-is-back-in-court-1448235126>

So who will pay the \$1.9 billion when Motorola and cell providers like Verizon lose their case? Not insurance companies, because insurance companies won't insure for harm caused by RF wireless radiation! Read below.

### **Opinions of Insurance Companies and AM BEST. No Reinsurance available in case of future harm**

Telecom companies are self-insured (a lot of big companies are self-insured), which means that they pay for insurance claims themselves. Re-insurance companies back up self-insured companies in case they go bankrupt. Major global re-insurance companies, Swiss Re and Lloyd's of London, do not cover for illnesses caused by continuous long-term non-ionizing RF radiation exposure (which comes from cell towers) anymore. Since 1997, Swiss Re, one of the world's largest re-insurance companies, won't insure for health claims from cell phones.

<http://mieuxprevenir.blogspot.com/2011/12/swiss-re-will-not-re-insure-mobile.html>

**Since 1999 Lloyd's of London, the largest reinsurer in the world, stopped covering cell phone manufacturers for health claims related to cell phone use.** Lloyd's, which is known for taking on risky policies, stopped reinsuring for liability for electromagnetic wireless emissions starting February 2015. Lloyd's of London, one of the largest insurers in the world, implemented the Electromagnetic Fields Exclusion.

**The purpose of the exclusion is to exclude coverage for illnesses caused by continuous long-term non-ionising radiation exposure, which comes from cell phones, cell towers, all wireless devices (ipads, Wi-Fi laptops, Wi-Fi routers). This is very significant. It means manufacturers of wireless devices, cell phone companies, and any businesses that use wireless devices where people are exposed are liable now for any health claims resulting from harm from their wireless devices.**

Scroll to p. 7 of the A&E policy, item 32 Electromagnetic Fields, to see the wording:

<http://www.citizensforsafetechnology.org/Lloyds-of-London-excludes-coverage-for-RFEMR-claims,15,4168>

Lloyd's and other large re-insurance companies such as Swiss Re have relied on their own studies and their own scientists (rather than those funded by cell phone companies, which is the source of most US studies) and have determined that they will not insure the big cell phone and telecommunications companies for the long-term health effects of wireless products. They are even modeling what a brain cancer epidemic between 2020 and 2030 will cost.

<http://beforeitsnews.com/eu/2015/04/lloyds-of-london-withdraw-insurance-for-illhealth-from-use-of-mobiles-phones-wifi-and-emfemr-2581024.html>

Furthermore, AM Best, an insurance rating company, is warning about financial risks for emerging technologies, including wireless radiation. Here is a direct quote from **AM BEST: Emerging technologies pose significant risks with possible long tail losses. The risks associated with long-term use of cell phones is unknown, however what is known is the risk that cell tower workers face. Thermal effects include eye damage, sterility, and cognitive impairments.**

<http://www.ambest.com/directories/bestconnect/EmergingRisks.pdf>

Insurance companies are in the business of making money. The higher the risk, the greater the potential profit. *If an insurance company won't insure a risk at any price, what does this tell you?*

### Vienna Medical University's study for Austrian Insurance Company

Here's a study published in 2009 by Austrian Social Insurance for Occupational Risks, who commissioned the **Vienna Medical University to do a study, which found that cell phone radiation has an impact on :**

- **central nervous system (brain)**
- **immune system**
- **protein synthesis**

You can read full details of the study here

<http://nebula.wsimg.com/d2b92dccccea973e7ddcb579c2d081cc?AccessKeyId=045114F8E0676B9465FB&disposition=0&alloworigin=1>

Here's a Canadian news story broadcast on CBC about **insurance companies not insuring for cell phone health claims and an interview with Dr. Mosgoller**, who led the Vienna Medical University study

<https://youtu.be/GYvIHU0niDg>

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You received this message because you are subscribed to the Google Groups "emfcontacts" group.

**From:** Gary Vesperman [mailto:[garyvesperman@yahoo.com](mailto:garyvesperman@yahoo.com)]

**Sent:** Tuesday, May 10, 2016 6:17 PM

**To:** Gary Vesperman

**Subject:** 1%/yr increase in brain cancer in ages 15-19. \$1.9 Bil. Brain Cancer Lawsuits. No insurance for cell carriers!

In the last week and a half I have received about two dozen informative well-reasoned emails from this group discussing the medical hazards of wi-fi, cell phones, 60 hertz AC, etc. like this email.

I think you should recommend to your friends and places of employment that they replace Wi-Fi computer accessories and routers with hardwired devices.

I am hoping that my new computer (a \$600 high-powered customized gaming computer not sold in stores – useful for CAD, etc) is not radiating wi-fi signals even though the mouse and keyboard are hardwired to the computer.

Other emails from this group state that France is dismantling cell towers that are too close to occupied buildings and that there are actually TV commercials in Europe reminding people to hold their cell phones two feet away.

Our long-term goals for drastically reducing electrosmog should be to replace centralized AC power with decentralized DC power and to replace all modes of electromagnetic communications with torsion field communications.

One practical short-term goal is to persuade municipalities to ban Wi-Fi hot spots. This morning I visited the Boulder City City Manager's office to inquire about passing a city ordinance to ban Wi-Fi hot spots. One of this group's emails included a very long list of schools and cities which have already banned Wi-Fi hot spots.

Gary Vesperman

**From:** Erik < @ >

**To:** Gary Vesperman <garyvesperman@yahoo.com>

**Sent:** Tuesday, May 10, 2016 6:51 PM

**Subject:** Re: 1%/yr increase in brain cancer in ages 15-19. \$1.9 Bil. Brain Cancer Lawsuits. No insurance for cell carriers!

Hello Gary,

There is no need to ban Wi-Fi, and suggesting this would create problems worldwide. Instead, all Wi-Fi hot spots should have the appropriate equipment that negates EMF's.

The equipment is readily available and is proven to work, it even flat-lines that oscilloscope near power substations if it is operating within 2 miles, which by the laws of known physics is impossible. The pentagon's top computer physicist analyzed and tested the device and is on video record stating the device's capabilities as the testing equipment is operating, which extend far beyond this application.

Hope you are well Sir

Erik

**From:** Gary Vesperman <garyvesperman@yahoo.com>

**To:**

**Sent:** Wednesday, May 11, 2016 12:46 PM

**Subject:** Channel 8 news reports "...because studies with children have not been conducted." is false

Yesterday afternoon I happened to catch Las Vegas Channel 8 news reporter Paul Joncich's report on Wi-Fi in CCSD schools. Here is the link to his report:

WiFi in schools: Is it hurting your child?



WiFi in schools: Is it hurting your child?

By Paul Joncich, 8 News NOW Anchor  
Microwave radiation from cell phones and WiFi -- it's something a lot  
of people aren't too worried about.

Note that its last paragraph reads:

"The bottom line: There is no scientific evidence that exposure to microwave radiation from Wi-Fi is safe or dangerous because studies with children have not been conducted. Dr. Davis, who was among the first to argue against smoking on airplanes, before it was learned that breathing second hand smoke was bad for everyone, told 8 News NOW Governor Sandoval has yet to respond to her letter."

As you can see "... because studies with children have not been conducted." is false. I don't know whether that was out of ignorance or if Channel 8 news is helping the CCSD cover its ass.

Below is the text of Channel 8's report:

## LAS VEGAS

Microwave radiation from cell phones and WiFi -- it's something a lot of people aren't too worried about.

But a growing contingent of doctors is worried about school children who are – they say – under a "constant barrage" of microwave radiation.

In 2011, the World Health Organization declared radiation from WiFi in cell phones as a possible carcinogen right up there with formaldehyde and car exhaust.

Recently, consumer reports gathered the latest research and concluded that people should not carry their cell phones in their pockets or bras. The revelation prompted some people to wonder why we're adding to the invisible soup of electromagnetic signals by installing WiFi in schools?

For several years, April Tatro-Medlin has been working to warn the Clark County School District about the risks of WiFi exposure in schools. And at a time when Clark County schools are upgrading their wireless systems, and even providing free laptops in some schools, governments in other parts of the world are removing WiFi systems because of the potential health risks.

While a clear link between radio frequency radiation and cancer has not yet to be established, there still is an agreement among doctors that children's developing brains and bodies are more vulnerable to most subtle changes in the environment.

"We cannot afford to treat our children as if they are in an experiment without controls," said Dr. Devra Davis, Environmental Health Trust.

Doctor Davis is an epidemiologist and president of the Environmental Health Trust, which is based in Washington, D.C. In April, Dr. Davis wrote a letter to Governor Brian Sandoval, R-NV, urging him to consider the issue.

It said in part, "Today's students are the first generation to study under constant bombardment from multiple sources of low level radiation. Routers beaming signals from the classroom walls, laptops on their desks, and cellphones in their pockets."

According to Tatro-Medlin, "I think we should all have the choice whether we want our children to be exposed to the upgraded WiFi."

As of this week, every school in the Clark County School District has WiFi. Forty-two of the schools have enhanced WiFi or total site saturation.

When 8 News NOW contacted the district to see if they've discussed the risks and considered that other countries are removing WiFi from schools, they responded by saying no one would be available for interviews, so the district issued the following statement:

"While there is no clear and consistent evidence or indication that the WiFi equipment in CCSD schools pose a health risk, all concerns about the safety of students are thoroughly researched and acted upon. CCSD has provided students with reasonable accommodations if their parents expressed health-related concerns regarding school WiFi systems."

However, Tatro-Medlin says that's not true.

"They told me that I could pick another school," said Tatro-Medlin.

Tatro-Medlin says she has had to shuffle her daughter from school to school to avoid WiFi. She said her daughter is currently attending Las Vegas High. However, the WiFi at Las Vegas High School is scheduled to be enhanced over the summer, so Tatro-Medlin plans to change her daughter's school once again.

"Schools around the world are taking steps to reduce WiFi," Dr. Davis said. "The city of Haifa has recently removed WiFi from the schools. France has policies to have no wifi in kindergarten."

The CCSD's statement continued with, "The implementation of WiFi has allowed for positive benefits in the classroom and it remains an essential part of learning in the 21st century."

While many applaud schools for offering the latest technology, Dr. Davis, and others suggest following the lead of other countries, who are playing it safe and ditching WiFi

The bottom line: There is no scientific evidence that exposure to microwave radiation from WiFi is safe or dangerous because studies with children have not been conducted. Dr. Davis, who was among the first to argue against smoking on airplanes, before it was learned that breathing second hand smoke was bad for everyone, told 8 News NOW Governor Sandoval has yet to respond to her letter.

**From:** Angela < @gmail.com>

**To:**

**Sent:** Thursday, May 12, 2016 10:00 AM

**Subject:** Fwd: EMF Quiz, and Favor?

### **EMF Quiz, and Favor?**

----- Forwarded message -----

From: **Cecelia** < @gmail.com>

Date: Thu, May 12, 2016 at 6:52 AM

Subject: EMF Quiz, and Favor?

To:

Dear EMF Stakeholders:

So often the messages we get about EMFs are distressing, so it gives me great pleasure to be able to announce solutions. Dr. Devra Davis was gracious to introduce me to Brett West, an IT consultant in the U.K. who has built a company to provide on-line education for wireless technology safety. I have had the privilege of lending my technical writing skill set to the first three courses and have tremendously enjoyed working alongside Brett and R&D Director Dr. Mikko Ahonen from Finland.

The first course is positioned as a free quiz to provide a very basic understanding of wireless safety. The second course, for about the cost of a movie ticket, provides further information for the general public. The third course is designed to help corporate employers and their employees learn how to more safely use technology in the workplace. You may access the courses below – we hope you'll take the free quiz and we welcome your feedback at the bottom of each quiz page:

<http://www.wirelesseducation.org/>

Feel free to share this with others in your community and/or in social media.

### **Next Steps -- and Favor**

Our next course will be for the medical community, and we will be looking to put together a panel of advisors to make sure we get it right. We would be very grateful if you could recommend EMF and EHS experts in the medical field to whom we could reach out in hopes they will lend their time to this project. Dr. Erica Mallery-Blythe has been an invaluable saint in her collaboration with us to date but we don't wish to take undue advantage of her good will and would like to engage others as well.

Please email me if you have someone in mind, perhaps even yourself? For those who currently suffer from EHS, please let me know if you would like to lend your voice to this project too.

Thank you for your time and any suggestions you may have.

Very best regards,

Cece Doucette  
Ashland, MA, USA  
508-881-3878

From: Sarah < @hotmail.com>  
Date: Thu, May 12, 2016 at 1:28 PM  
Subject: Action - coordinated

### **EMF Action – Coordinated**

A new advisory group has been formed:  
<http://www.emraustralia.com.au/knowledgebase/new-australasian-association-formed-orsaa-org>

A new Australasian association is formed – ORSAA.org  
[www.emraustralia.com.au](http://www.emraustralia.com.au)

The Oceania Radiofrequency Scientific Advisory Association (ORSAA) has been established to provide independent scientific advice about the impacts of wireless technology.

The trouble with so many advisory groups is that while they are highly commendable they are basically **passive**; they wait for people to come to them or find their website, which is probably why nothing much has changed in 20 years. The above site has a very long list of luminaries, but what are they going to DO??

My intuition (and experience) tells me that if we want to see real change, people will need to get out there and be far more **pro-active**. Melissa presented a long list of things that could be done to raise awareness a while ago, and Dr. Devra Davis is also thinking along these lines. There are, I know, many individuals who are, and have been, extremely pro-active recently, such as Dr. Mallory Blythe, and others with media appearances, but there have been media appearances from **top** people for 20 years and it has made only a miniscule amount of difference. Globally we are SO fragmented. Even the EMF Scientist Appeal has not created a ripple within the industry and its cohorts, as far as I know. (I stand to be corrected if this is wrong.)

Would it not make sense to hold a Summit meeting, for three days, with top people from science, medicine and health care, to nut out a really effective strategy – not just a talk-fest – to counter this dangerously expanding technology? This approach takes time, money, and energy. But the summits need to be regular.....

What will it take? When is 'enough is enough'?

Sarah

*"In times of universal deceit - telling the truth is a revolutionary act ". George Orwell.*

**From:** Barb < @ .com>

**Sent:** Thursday, 12 May 2016 11:40 AM

**To:** Catherine ; Marcey ; Barb ; Sarah ; Ed ; Dafna ; Lily ; Melissa; Arthur

**Subject:** GUARDS: World Wildlife Fund as a plaintiff

### **GUARDS: World Wildlife Fund as a plaintiff**

"The plaintiffs are a group of organizations (**including the World Wildlife Fund**) led by the No-MUOS committee, who oppose the MUOS on grounds that range from the ethical and environmental to protection of health. They fear the electromagnetic emissions will increase the risk of cancer, as well as threaten the health of people with cardiac devices living in the area, and potentially affect the local fauna."

In this article (don't miss part of the article... several times the appearance is as if it ends, so scroll beyond ads etc.)

<http://qz.com/662844/how-the-us-navys-most-advanced-communications-system-got-stuck-in-a-kafkaesque-circle-of-italian-justice/>

Barb

#PracticeSafeTech

prefer & provide non-wireless connections

avoid being a RMO (radiation modified organism)

**From:** Angela < @gmail.com>  
**To:**  
**Sent:** Friday, May 13, 2016 2:16 AM  
**Subject:** Fwd: responding to "science sceptics"

### **More – Responding to ‘Science Skeptics’**

Hi Everyone,

Please see email below from Andrew Goldsworthy. I agree with him. Brain tumors are low risk and most people don't seem to mind this risk. Even people who know about the increased risk of brain tumors continue to talk with the phone pressed to their ear. Seems like human nature to gamble – because no one thinks they will get cancer.

Yes, we need to focus on the other more common effects – hypothyroidism, increased diabetes risk and obesity, allergies and asthma, neurological problems, digestive and liver problems. My 9 year old son, after going to school with 2 cell towers at 300 ft and 600 ft from his school, ended up with mild hypothyroidism (high TSH), very bad allergies verging on asthma, bad skin rashes that worsened at school, elevated liver enzymes, digestive pains and problems (low lipase), and memory and concentration problems. ALL of the effects Dr. Goldsworthy wrote about – his was one of the first papers I read after my son became ill (when I was searching for answers), which made me realize it was the cell towers (and school Wi-Fi) that made him sick. My suspicions were confirmed after the second cell tower upgrade to LTE made his symptoms worse. After transferring to a cell tower free school this past school year, his symptoms improved (especially the neurological ones), except for the allergies and rashes because of the school Wi-Fi, and now I will be homeschooling both my boys the next school year. (My younger son, 7 years old, has developed allergies, gets headaches and stomach pains/digestive problems from school Wi-Fi)

In addition to these other health issues, we should appeal to human vanity. Most people care more about getting fat than they do about the chance of brain cancer – wireless convenience seems to outweigh the risk for them. But if we can prove to people it is making them fat or aggravating their diabetes, people may listen more.

Another subject: we should work with advocacy groups focused on autism, asthma/allergy, diabetes, ADHD, Alzheimer's, integrative/alternative/natural health medical organizations, environmental groups to bring more attention to this issue. Most people have not heard about wireless hazards and working with established groups would help get the word out faster.

One more thing...I've been seeing a lot of good papers lately about the importance of probiotics to mental and immune health.. *Does anyone know of any good papers showing the destruction of beneficial gut bacteria by wireless radiation? If so, please send me link.*

Thanks  
Angela

**From:** Andrew Goldsworthy  
**Date:** Wed, May 11, 2016 at 2:37 AM  
**Subject:** Re: responding to "science sceptics"

The effects of cell phones on brain cancers may be one of the least of our problems since, despite the recent increase in their incidence, they are still relatively rare and most cell phone addicts are still prepared to take the risk.

Perhaps what might be more frightening is that the unrestricted use of cell phones is what is making too many of us either fat or clinically obese due to the effects of the radiation on the thyroid gland. The thyroid gland is in the neck just inches from where you hold your cell phone and the radiation damages its membranes, possibly as a result of the production of reactive oxygen species (ROS). This results in hypothyroidism, which causes obesity and all that stems from it, a constant craving for more food, and chronic fatigue as more bodily resources are diverted from physical activity and stored as fat.

From experiments done on rodents, it looks as though these effects are irreversible once they have taken hold and you are stuck with being on a life-long diet. Even living near a cell tower can have a similar effect although it may take longer. If this doesn't discourage people from using cell phones, I don't know what will. While brain tumors are relatively rare and remain hidden for many years, chronic obesity of epidemic proportions is with us right now and is staring us in the face. This may be what we should be concentrating on if we want people to cut down or stop their use of cell phones. More on this at [http://www.foodsmatter.com/es/health\\_risks/articles/goldsworthy-obesity-05-12.html](http://www.foodsmatter.com/es/health_risks/articles/goldsworthy-obesity-05-12.html)

Best wishes

Andrew Goldsworthy

On 10 May 2016 at 06:48, Angela < @gmail.com> wrote:

Interesting to hear that politicians, elite and telecom leaders are aware of the dangers and wear EMF protection or take precautions.

If you have these stories somewhere in print it would be good to share and publicize.

For example, Steve Jobs who died of pancreatic cancer didn't let his kids play with ipads

[http://www.nytimes.com/2014/09/11/fashion/steve-jobs-apple-was-a-low-tech-parent.html?smid=fb-share&\\_r=0](http://www.nytimes.com/2014/09/11/fashion/steve-jobs-apple-was-a-low-tech-parent.html?smid=fb-share&_r=0)

On Mon, May 9, 2016 at 10:22 PM, Susan < @yahoo.com> wrote:

In the late 1990s someone informed me that the CEO of one of the major telecoms (I think it was Comcast) was building himself a home in the AZ desert, using chicken wire throughout for shielding.

In my presence, Dr. Amar Bose, Ph.D., CEO of Bose Radio and MIT Professor of Electrical Engineering, testified publicly in 1998 that, based on the scientific studies I'd provided him, he had come to realize that "electromagnetic radiation is a hazard".

Yes, at that level, there is a consensus.

Sadly, after engaging in tireless efforts to alert people to the hazard, we must let go and let them learn what they must from their mind-controlled life...

Even now, look at me – up past 1 am, of course on a wired computer, but still, keeping my eyes in light when I know I should and must not, especially given the migraine I barely escaped today! I need to practice better what I know, too!

Cheers, all, and good night,  
S.

**From:** Ellen <@.com>  
**To:** Oram <@earthlink.net>  
**Cc:**  
**Sent:** Tuesday, May 10, 2016 1:09 AM

**Subject:** Re: responding to "science sceptics"

Interesting conversation. I have been educating people about cell phones for almost 8 years. Today I was at my husband's real estate office (he had a glioma attributed to cell phone use but is thankfully still able to work). I was stunned to see so many agents (friends) still walking around with the phone glued to their heads. They all came to see the movie Mobilize which I co-produced – they know the hell our family has gone through with this and they know that those affected the most thus far have been Realtors and attorneys (9 Realtors in Kentucky and 9 Realtors in San Diego!!). Yet they ignore it because 1) They think it won't happen to them 2) They are addicted and 3) It is too inconvenient for them to use the speaker, wired headset, the landline they each have at their desk (!), etc.

It saddens me terribly but what more can I do? Hopefully my efforts have changed the habits of others and have helped save a life or two.

As to Monsanto, I was at an affair and Paul Pelosi Jr. was there (a few years ago). He is one of Nancy's grown children. He had been quite rude to my husband at a hearing on the cell phone right-to-know ordinance in San Francisco. He actually apologized to me and in a drunken stupor (with his mother watching with distain) he did a little striptease – unbuttoning his shirt and pants and tossed me the radiation shield he wears around his abdomen! Then he proceeded to tell me that he is friends with many telecom guys and they all wear them. No doubt they all know.

Thank you all for all that you are doing.  
Ellie Marks  
CA Brain Tumor Association

On Mon, May 9, 2016 at 8:14 PM, Oram <@earthlink.net> wrote:

Well said, Susan. I do try to get all my clients to come around and be on board. Many do. Most do. But there are those whom I know won't change...for now, until everyone else does.

Your points are well taken and I agree with them.

This island sounds interesting. I know that Gro Harlem, the former head of WHO, was EHS herself and I understand couldn't have cell phones in her office. Did that make a difference in her organization's public stance on the subject? Yet, these individuals do know the dangers of these technologies. Jeffrey Smith says Monsanto's cafeteria in their European headquarters only serves organic food. What does that tell you?

We should watch what the people at the top do and follow their lead.

Oram  
--

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info@createhealthyhomes.com

On May 9, 2016, at 8:01 PM, Susan < @yahoo.com> wrote:

Hi Oram,

I lived in L.A. for years. I know the culture! But you made a false statement, parroting – and benefiting – this devastating, destructive industry. And you made it without qualification. How do you know whether people on this list might not accidentally parrot you in turn, and so pass on this destructive slogan, which you picked up from advertisements?

We all need to think clearly about what we say, if we are leaders in this near-death planetary situation, trying to restore life and sanity. If it is not true, don't say it is. Resist it and instead point out to others that there are people such as myself who've never owned a cell phone (or ipad or tablet or tv or...). We can be different! Please, dare to show the world that some people think independently and don't fall for mind control!

S.

PS: Are you aware that there is an island where, until recently, the barons and baronesses who have their 5th homes there have prohibited by law all things wireless?

**From:** Oram < @earthlink.net>

**To:** Susan <s.1234567@yahoo.com>

**Cc:**

**Sent:** Monday, May 9, 2016 10:35 PM

**Subject:** Re: responding to "science sceptics"

Susan,

Most of my clients here in Los Angeles, all of whom call me for one EMF reason or another, do use wireless technologies to some extent. I do have a majority EHS practice, but even some of them still use cell phones. They want help going back to cables and I spend a lot of time helping them do that, showing them that the Wi-Fi is still on in their computers and routers when they plug in their Ethernet cables.

Those who call me because their 'Tri-Meter' shows high magnetic field readings or they are worried about the power lines in their back yard don't want to hear about Wi-Fi when I bring it up. They say, "Don't take my Wi-Fi away from me." I tell them I am not trying to do that, but I do say they'll thank themselves 5-10 years from now for listening to that guy in 2016 and following the recommendations we make when their friends call up years from now and say their son was just diagnosed with a brain tumor. But they took precautions years before, and should be able to hopefully avoid that.

I just flew back from the East coast last night. Virtually everybody around me on the plane had their cell phone, tablet or laptop open and in use during almost the entire flight. As soon as we landed, these devices all go back on, the user checking whatever.

Everyone around me here in LA has these things in their hands, all the time, wherever they are. They are glued to them.

That is what I am referring to.

Oram

--

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On May 9, 2016, at 7:13 PM, Susan < @yahoo.com> wrote:

Wait, wait, wait, Oram...

Who said "We love and buy this technology"?!

I don't.

I know many others who don't.

Most people in poor areas of the world don't.

The richest people in the world don't.

You've caught a case of ad-parroting, which is based in MK (mind-control) strategies!

Bet you'll never encourage the wireless industry by THAT fictitious concession again!

Cheers,

S.

**From:** Oram < @earthlink.net>  
**To:** Susan < @yahoo.com>  
**Sent:** Monday, May 9, 2016 10:07 PM  
**Subject:** Re: responding to "science sceptics"

Amen to that, Susan.

I just saw Vaxxed two weeks ago. That documentary movie, now playing in some theaters and possibly available online, says it all. A whistleblower within the CDC, who is still there under whistleblower protection, has come forth saying the research he participated in on vaccines and autism was manipulated. No one will touch it on a media and Congressional level, except one lone soul from Florida, who is ignored by every one of his colleagues.

Robert Kennedy, Jr. was on Coast to Coast AM a few months ago saying the same thing, that his articles on the subject will not be published by the NY Times, WSJ and Washington Post, which publish all his other articles on mercury in the air from coal-fired power plants. They won't publish his article on mercury in vaccines.

It really boils down to the immense profit to be made with these technologies by the corporations that sell them, and we love and buy this technology. We really need to find viable alternatives that work just as well without any harm to biological life.

Oram  
--

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On May 9, 2016, at 6:29 PM, Susan < @yahoo.com> wrote:

Big money for big pharma through forced vaccination-sans-liability programs!

Entirely irrational and grossly nonscientific bases, no science, as Marilynne said...and they get away with it because of massive funding for the extant depopulation agendas.

Whatever serves depopulation gets funding and media coverage.

**From:** Marilynne < @comcast.net>  
**To:**  
**Sent:** Monday, May 9, 2016 9:16 PM  
**Subject:** Re: responding to "science sceptics"

There's no money to made from the zika virus:)

Not so sure about that.

Let's see, get taxpayers to foot the R&D costs. Already have legislation that protects you from any product liability. Bribe your politicians to pressure your CDC friends to put it on the mandate list for travel and/or school list. And jack up the prices. Sounds like potential for money making to me. As well as the possibility of covering up the real cause of microcephaly.  
[http://www.huffingtonpost.ca/stephen-cornish/vaccine-prices-\\_b\\_6614010.html](http://www.huffingtonpost.ca/stephen-cornish/vaccine-prices-_b_6614010.html)

**From:** Sarah < @hotmail.com>  
**Date:** Monday, May 9, 2016 at 4:19 PM  
**To:**  
**Subject:** Re: responding to "science sceptics"

Schizophrenia and large-scale addiction issues. Heroin addicts will risk their lives hundreds of times over to get a fix – logic goes out the window. This is a major problem, which combined with industry greed on a global scale, makes strategy all important now.

There's no money to made from the zika virus:)

Sarah

**From:** emfcontacts@googlegroups.com <emfcontacts@googlegroups.com> on behalf of Marilynne < @comcast.net>  
**Sent:** Tuesday, 10 May 2016 2:07 AM  
**To:**  
**Subject:** Re: responding to "science sceptics"

Hi all,

First, I have no idea how I got on this discussion list. I do belong to the EMFSafety discussion list moderated by Saudi Maurer. I am a smart meter activist out of Florida. I am not a scientist or electrical engineer. I am an old accountant.

As an old accountant, we tend to like consistency. So maybe you can present your science skeptic with this observation I have of total lack of consistency in the scientific world through the analogy of the treatment and reaction of the zika virus versus wireless.

On the one hand you have the zika virus that has been known since the 1940's to only cause mild symptoms. It was patented in the 1940's by the Rockefellers. Now you get a cluster of microcephaly in Brazil. ***Without any scientific evidence of it being caused by the zika virus***, you (govt and scientific entities) scare the hell out of pregnant women (discouraging travel, encouraging abortions), dedicate \$1.8 Billion for vaccines, declare state of emergencies

(<http://abcnews.go.com/Health/florida-gov-declares-state-emergency-counties-zika-virus/story?id=36696887> ), issue WHO warnings (<http://www.who.int/mediacentre/news/statements/2016/1st-emergency-committee-zika/en/> ), and push GE mosquitoes on the Florida Keys for prevention (<http://www.miaminewtimes.com/news/genetically-modified-mosquitoes-probably-headed-to-florida-keys-to-fight-zika-8381757> ). Meanwhile ignoring the fact that larvicides were added to drinking water in Brazil, GE mosquitoes were released there 18 months ago, heavy pesticide use due to GMO foods, etc.

Florida Gov. Declares State of Emergency in Counties With ...  
abcnews.go.com

There have been nine people diagnosed with Zika virus in Florida.

<https://jonrappoport.wordpress.com/category/zika/>

<https://jonrappoport.wordpress.com/2016/02/07/zika-who-launched-the-fake-epidemic-story-in-brazil/>

On the other hand you have wireless, whereby you have thousands of studies, increased illness, etc (I don't need to lay out the science to this group) and you have what reaction? Nothing. Despite significant uncertainties (and let's not forget the RESERVATIONS expressed by both the FDA and EPA upon approval of the current RF guidelines), our environment goes from nothing wireless to everything wireless and not one dime dedicated to research or precautions.

Let your science skeptic reconcile to this old accountant how the 'scientific' world can justify their actions toward zika versus wireless. Why does 'science' support our recent pre-cautionary steps on zika but not wireless? It makes no sense to me. The audit opinion I render is that science is suffering from massive schizophrenia.

My two cents,  
Marilynne  
Venice, FL

**From:** <emfcontacts@googlegroups.com> on behalf of Ed < @comcast.net>

**Date:** Monday, May 9, 2016 at 11:04 AM

**To:**

**Subject:** RE: responding to "science sceptics"

Oram,

In order to bring about change there will need to be victories in court. To do this, despite the fact "only **threat** of credible harm" should suffice, causation [vs. strong correlation] will need to be proven or at least remains the gold standard. For this to occur, the courts will look to peer-reviewed published science from 'experts'. In a proceeding challenging an existing law or agency decision, as a matter of practice the court will always defer to the lower body [being closer as they are to the "democratic ideal" or "the people"]. This makes for an uphill battle.

The sad truths are that seldom is justice found within the law and seldom do the courts lead the way in societal change. Courts tend to follow public opinion not blaze trails. In our field we have tons of science supporting our position but as you point out, there must be a widespread grassroots realization and acceptance of the problem in order for the vast body of evidence to be recognized and ultimately acted on by the courts or legislature.

The challenge is immense in that everyone [more or less] uses electricity and most people are now using wireless technology for work and or pleasure. And the advertising audience is even wider than those having cigarettes after sex or while wrangling cows or showing their gender equity. It's almost as if the entirety of society have become drug addicts or alcoholics and we are asking ruling bodies [courts and legislatures] to recognize the problem AND asking everyone to break their habit. Combine these impediments with the role of corporate money in politics and the difficulty becomes obvious.

While in "our circle" many of us are aware of each and every article calling attention to this subject, and they may be increasing, I don't believe most people are aware and even if so, necessarily care, if not feeling the pain in some way. If we look at other toxics issues like pesticide use and abuse, chemical or oil spills or smog; even when one can see the problem, it is very difficult to overcome or enforce laws against the problem. In our case, of the invisible hazard everyone is dependent on, recognition and action are more difficult. I suspect we will at minimum need bodies piling up tied to obvious causation before much action will be taken at regulatory or judicial levels. Leaves it to the grassroots rank and file to plug away I guess.

Ed

**From:** emfcontacts@googlegroups.com [mailto:emfcontacts@googlegroups.com] **On Behalf Of** Oram  
**Sent:** Monday, May 09, 2016 10:13 AM  
**To:**  
**Subject:** Re: responding to "science sceptics"

Dear colleagues,

I have been reading these exchanges with interest, as this opportunity that Jonathan mentions with this non-profit sounds like it has potential to help spread the word about the harm from EMF exposure and help the people who are exposed to wireless devices at this organization. Every bit helps.

It also gives us an opportunity to understand the views of and dialogue with those within the scientific community who look at this from their standpoint that it is not a real phenomenon unless and until it is proven beyond a shadow of a doubt through rigorous scientific testing. I wanted to share some different points of view than have come forth so far.

This is an interesting phenomenon. Those of you who are EHS and those of us who work with EHS clients know full well that this phenomenon is real. None of us need scientific studies to prove that. Those with EHS deal with the effects of it every day and those of us who work to assist you in dealing with EMF exposure in your homes and workplaces see its effects on you and your families.

I bring this up because I wonder what some of you think about the relationship between the experiences of EHS people and their families and co-workers vs. the scientific community and its need to have this proven, or, in the reverse, to criticize us for trying to alert the public to a danger that they feel has yet to be proven.

The first place to start is to look at history and see that we are traversing the same arc that both sides took during the eras in which tobacco, leaded gasoline and asbestos prevailed. What was first labeled as alarmism on the part of those who tried to alert the public to their dangers was, in each case, proven over time to be borne out by clinical experience. The research eventually did corroborate the harm of these products.

Then there is the money. In all cases, this one being no exception, there is big money to be made by an industry that we know follows the same playbook in every case: maximize profit as long as possible until they are forced by regulators and class action lawsuits to curtail the sale of their product. Even the paying out of huge sums in damages is, to them, merely a cost of doing business. We are told that cell phone companies have a war chest for that eventuality, but as long as enough people want their product, as the whole world does, and the vast majority of people feel no symptoms, at least not yet, and the longer they can control the narrative and regulatory agencies as they fully do in the US, the more profit they will make and the longer they have until they have to curtail production or find another technology. By then, they have made their trillions. They know what they are doing and they routinely put profit ahead of people.

Then there is the question that I am most interested in knowing your thoughts on, which is, to what degree does it ultimately matter whether the scientific community agrees with us or not. Even in the face of excellent scientific research, which does exist, unless there is a consensus among their peers or skeptics start seeing this issue covered in what they consider to be mainstream publications, which skew toward industry and won't publish our research anyway (at least in the US), these individuals will always feel an obligation to take an opposing view.

In my practice as a building biologist, I have had several physicists and engineers tell me to my face that there is no basis to what my profession says about AC magnetic fields, because the wavelength for 60 Hz AC electricity is 3,100 miles, so how can that wave entrain itself with and cause harm to a human body that is one foot deep and two feet wide, let alone to an individual cell?

I gave an EMF lecture in March to a convention of home inspectors, and after the lecture, a home inspector in the audience who was also an engineer told a small group of us that he had reviewed all the EMF literature and found it couldn't be true, for much of the same reasons that were brought up in Jonathan's email and that we have all heard – not enough studies, sample sizes too small, research not corroborated. not published in mainstream journals, Martin Blank's PhD is not in physiology (!--who cares?), and on and on.

Yet, many of the others in the audience had clients who were concerned about this issue. They had appreciated my lecture and wanted to know more. I felt this man was not a plant, and he was not an industry insider. He was just someone who strongly believed what he was taught in engineering school, he trusted the mainstream media where he hears that there is no problem, he doesn't know anyone who was EHS, and I am sure he doesn't feel any symptoms himself. I am making presumptions here, but in my mind, that would explain his skepticism. So why should he believe anything we say? To him, we are simply alarmists.

My point is, it's all a herd phenomenon. There will always be skeptics, yet it is the grassroots that shift public opinion. We do what we can to patiently and respectfully listen to these individuals and provide them with well conducted research. But until they hear about this in the mainstream and their peers start believing it is real, we probably won't sway their opinion. It is my impression that he is looking for reasons to not support this proposal. I am not saying we shouldn't try, and there are some notable exceptions who come around to our point of view, but it is unlikely that many of these skeptics are going to believe even a good amount of credible research we present to them if it means publicly doing so will jeopardize their standing in the circles in which they travel. They simply do not have enough experience with EHS people on a human level, where many of these shifts in opinion occur.

The reality that scientists cannot see outside their bubble is sad, but currently true. However, watch them change their tune as the acceptance of this over the years changes from the grassroots level on up, especially as more people become harmed. Most sad of all is the fact that that is unfortunately the mechanism by which a movement like this has always catalyzed change in the past, when a critical mass of individuals is finally acknowledged to be harmed by the product or technology in question and people stop using it (but good luck with that with cell phones).

Also, on a country-wide level, the growing realization that widespread long-term use of these technologies is costing the health care delivery systems increasing sums of money to manage in countries with socialized medicine is a real incentive for them to take action. as some are already doing.

In the meantime, we do what we can to provide information and assistance to those individuals and countries who are interested in hearing about it. For others, such as the person who responded to Jonathan's proposal, we give him the research but I wouldn't expect any of it to change his mind. Hopefully enough other decision makers at the non-profit will prevail and they will decide to move forward on this. I would focus on them, providing them with all that is happening on this issue from a social and health care delivery level. France banning Wi-Fi in daycare centers and nurseries, Haifa, Israel banning Wi-Fi in schools, etc. People like to jump on a bandwagon.

Your thoughts?

All the best.

Oram

--

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On May 7, 2016, at 3:59 PM, Jonathan <@ptco.org> wrote:

Friends,

I am in the process of trying to get a rather large non-profit organization to adopt the principle of precaution re: wireless. Below is one response to my proposal. I have plenty of things to say to "Dick" and can refer him to the Bioinitiative report, etc. but I thought some of the researchers on this list might have some responses I could include and that these responses might be of value to others.

Thanks for taking a look!

Jonathan

co-creator, Innocenzo

author, "All I Really Need to Know About EMF I Learned After My Wife Got Sick"

-----  
. . . However, the proposal you sent taps too many conditioned reflexes arising from a career that included reviewing research papers for publication (MIT)

. Sending this to you is my way of purging it. I didn't go back to the original research, but the following are things that I would / will eventually want to check on:

Some follow-up thoughts:

A significant result is not proof. When a researcher states that a result is significant at the 0.05 chance of error, this means that there is a 1 in 20 chance that the data sample is not representative and the results are in error.

Someone should check the original research papers to see if the studies were done double-blind, i.e. the person looking for the effects (tumors, agitation, etc) has no idea which subject received the radiation. There is a large and ironclad body of evidence that researcher bias can influence results. Double-blind protocols are the gold standard to prevent researcher bias.

Three studies do not make for overwhelming evidence. How many studies have shown negative effects of wifi radiation? Are the papers peer reviewed? How prestigious were the journals that published the papers?

The cancer in animal study probably uses a strain of mice that are readily prone to cancer, and the researcher is looking for an increased rate of tumor formation. Almost no one uses normal, un-susceptible mice for cancer studies. Consequently, the researcher is looking for a change in the rate of cancer, not the appearance of cancers when none are expected.

In one of the studies, the dose response curve shows a low dose effect of radiation, but not a high dose effect. The proposer suggests this means that the results are even more alarming, that lower doses may be more dangerous than high. I would argue that a single low dose effect should be interpreted as higher variance in the data. If all doses are tested individually for significance it is too easy for there to be a false positive: Again, at a 0.05 level of significance, if there were 20 doses tested individually, there is a high probability that one of them will be a false positive.

Study referred to:

<http://microwavenews.com/news-center/rf- animal-cancer- promotion>

Jonathan / Godeliève Richard

Piti Théâtre Company

+1 413 625 6569 (USA)

+41 (0)32 937 13 21 (Switzerland)

Sent from our wired computer

From: Andrew Michrowski <paceincnet@gmail.com>

To:

Sent: Sunday, May 15, 2016 10:59 PM

Subject: Fwd: The dangers of electromagnetic microwave radiation

### **The Dangers Of Electromagnetic Microwave Radiation**

From: John < @protonmail.com>

Date: Wed, May 11, 2016 at 7:33 PM

Subject: The dangers of electromagnetic microwave radiation

To: paceincnet@gmail.com

### **The dangers of electromagnetic / microwave radiation**

Ladies & Gentlemen,

Alert! Numerous individuals involved in distributing information regarding the dangers of electromagnetic / microwave radiation are reporting that their e-mails are being interfered with. Google which understandably has a limit on the number of e-mails an individual can distribute in any given day, is further limiting distribution, frequently asking people to log in again due to "suspicious activity" with their accounts. Legitimate e-mails are winding up in the trash or labeled as spam. Yahoo! is refusing to deliver e-mails based on company "policy".

In the context of Google's deployment of Project Loon and interference with e-mails it is relevant to note what The Intercept called "Google's remarkable close relationship with the Obama White House".  
<https://theintercept.com/2016/04/22/googles-remarkably-close-relationship-with-the-obama-white-house-in-two-charts/>

While the industry is touting the advantages of 5G broadband, it remains more and more relevant that the industry is uninsurable.

Please circulate.  
Kind regards,

John  
Ireland

Updates

More to worry about than brain cancer – “It’s the thyroid” says Prof. Goldsworthy. The effects of cell phones on brain cancers may be one of the least of our problems since, despite the recent increase in their incidence, they are still relatively rare and most cell phone addicts are still prepared to take the risk.

Perhaps what might be more frightening is that the unrestricted use of cell phones is what is making too many of us either fat or clinically obese due to the effects of the radiation on the thyroid gland. The thyroid gland is in the neck just inches from where you hold your cell phone and the radiation damages its membranes, possibly as a result of the production of reactive oxygen species (ROS). This results in hypothyroidism, which causes obesity and all that stems from it, a constant craving for more food, and chronic fatigue as more bodily resources are diverted from physical activity and stored as fat.

From experiments done on rodents, it looks as though these effects are irreversible once they have taken hold and you are stuck with being on a life-long diet. Even living near a cell tower can have a similar effect although it may take longer. If this doesn't discourage people from using cell phones, I don't know what will. While brain tumors are relatively rare and remain hidden for many years, chronic obesity of epidemic proportions is with us right now and is staring us in the face. This may be what we should be concentrating on if we want people to cut down or stop their use of cell phones. More on this at  
[http://www.foodsmatter.com/es/health\\_risks/articles/goldsworthy-obesity-05-12.html](http://www.foodsmatter.com/es/health_risks/articles/goldsworthy-obesity-05-12.html)

Best wishes  
Andrew Goldsworthy

### **Police accused of disguising license reading vehicle as Google car**

Police in Pennsylvania were accused Wednesday of disguising a license plate reading vehicle as a Google Street View car. Noticed at around 10 am EST by security and cryptography researcher Matt Blaze, the white SUV was seen with a large Google Maps sticker on one of its rear windows.

<http://www.infowars.com/police-accused-of-disguising-license-plate-reading-vehicle-as-google-car/>

From Sylvie Hsem, France ABC cancer cluster: 10 years since Toowong studio shut down

The report – which became known colloquially as the “Armstrong review” – was a bombshell: The Independent Review and Scientific Investigation Panel (comprising chair Professor Bruce Armstrong, then at University of Sydney; Professor Joanne Aitken, then at Queensland Cancer Council; Professor Malcolm Sim from Monash University; Dr Norman Swan of the ABC’s Health Report, with contributions by a staff reference group including Farha) found that the risk of breast cancer in women working at the ABC at Toowong from January 1, 1994, to June 30, 2006, was “six times higher than that in the general population of women in Queensland” and that there was a “one in a million probability that the observed or a greater number of cases of breast cancer might arise simply by chance”.

<http://www.couriermail.com.au/news/queensland/abc-cancer-cluster-10-years-since-toowong-studio-shut-down/news-story/4be9d49ce00aca66e7c617357b0b1dbf>

From Margaret White, U.K.

### **Iconic Preston phone box is about to be brought into the 21st Century with plans to turn it into quirky work station**

The transformation will see it include Wi-Fi, a printer and scanner, a wireless mouse, a 25-inch screen, a hot drinks machine and a powerbank of plugs. The scheme is the brainchild of New York-based company Bar Works Inc which plan to convert several unused phone boxes around the UK.

‘Pod Works’ will be launched in many places including London, Edinburgh and Norwich, but a box in Preston has also been targeted. For a fee of £19.99 a month, people can become a member of the Pod Works club giving members 24-hour access using an app on their phone.

And one of the phone boxes outside the former post office in Market Street, Preston, will be the first in the city to get the treatment and could be available for use within six weeks.

<http://www.lep.co.uk/your-lancashire/preston/21st-century-twist-for-iconic-red-box-1-7893265>

### **Flynn asks indictment of Canadian officials**

One of the strongest voices pleading for action is that of retired Canadian Armed Forces Captain Jerry Flynn who is calling for the criminal investigation of the inaction of public officials on the pulsed radiation issue. Flynn spent 26 years in electronic warfare and related areas for the army. He has sent the following to Health Canada:

“Since May, 2015, the majority of the world's electromagnetic 'radiation' (EMR/EMF) scientists (currently 220 from 42 countries) have signed the "International EMF Scientists Appeal" calling on the United Nations and the World Health Organization to: 'Protect Mankind and Wildlife from the dangers of EMF and wireless technology.'

“In 2014, fifty-three scientists from 18 countries openly condemned Health Canada's radiation "Guidelines" (Safety Code 6) and called on Health Canada to: "intervene to help prevent an emerging health crisis"! Also in 2014, 55 Canadian doctors condemned SC- and called on Health Canada to: “protect Canadians from RF (radio frequency) exposure.”

“Scientists say that the astonishing unchecked growth of microwave-emitting wireless radio products mirrors the frightening growth mankind is experiencing in disease epidemics in communities around the world! Such is the scourge of radio / microwave frequency radiation – at even the weakest levels – that no living person or thing can escape it! Yet Prime Minister Trudeau and his key 'ministers responsible' are oblivious to the dangers wireless technology poses to Canada's National Security and to the health, well-being and safety of every person in this country!

“This preposterously evil ‘crime against humanity’ could not happen were it not for two things: 1) provincial health officers have no education, qualifications or expertise in low-level, pulsed non-thermal RF radiation; and 2) North America's mainstream news media remain sinfully silent on what is happening here and in other countries, especially in Europe, where enlightened people and many governments are struggling to fight back against this same 'Perfect Storm.' Only a Federal Criminal Investigation – utilizing only the best available independent, non-conflicted EMF scientists – can save Canada's national security, its people – and all future generations – from this invisible but pernicious radiation which now bathes us and all living things constantly.”

Sincerely,

James G. ("Jerry") Flynn, Captain (Ret'd.)

Bowser, B.C., V0R 1G0

<http://www.odwyerpr.com/story/public/6845/2016-05-05/shouts-resign-greet-westhampton-library-board.html>

### **‘All I really need to know about EMF I learned after my wife got sick’**

**A Brief History of Electrosmog** by Jonathan Mirin

Sometimes at four in the morning after another sleepless night when we were deciding whether or not to go to the emergency room, it seemed like death was a possible final outcome. Luckily, we found a solution for our home that has allowed her to sleep well again and begin to heal; however she still can't leave the house for more than a few hours at a time. Among other adjustments we have made, a doctor recommended a company making biotuners, a small rectangular casing placed on the fuse box in order to deactivate the harmful information from electrosmog.

One of my many layers of resistance to accepting that electromagnetic pollution or electrosmog was what had destroyed her health was a simple, naive faith in the regulatory powers of the U.S. Government. This radiation is literally everywhere. If it could be so dangerous, how could it be allowed on such a massive scale? But after I found the startling analogy between RF and asbestos and cigarettes laid out on more than one advocacy group site, things began to click.

<http://www.spiritofchange.org/Summer-2015/All-I-Really-Need-to-Know-About-EMF-I-Learned-After-My-Wife-Got-Sick/>

From Iris Atzmon, Israel

### **Smart meters transmit radiation pulses 9,600 to 190,000 times each day**

The truth is, smart meters transmit pulses of wireless radiation between 9,600 to 190,000 times per day. If you call up DTE or Consumers Energy and ask them how often their smart meters transmit, they will tell you something like “6 times a day.” This is what all the utility companies say, and they are lying. PG&E, the California equivalent of DTE, publicly stated in all its materials that its meters transmit only 6 times a day. When the court ordered it to submit data on the actual number of transmissions, the utility had to admit that its smart meters transmit 9,600 to 190,000 times per day!

<http://www.smartmetereducationnetwork.com/smart-meters-what-they-are-and-what-they-do.php>

## **Michigan case involving smart meters scheduled for May 11, 2016**

Homeowners v Georgetta Livingstone, Wednesday

May 11, 2016 at Oakland County Court at 8:30 a.m. The case might start at 8:30 or it could start much later. Dockets usually set all cases for the same time, then cases are called up individually by the judge. So her case could start at 8:30 later in the day. So if you can't be there at 8:30, please show up anyway.

Georgetta Livingstone, a Ph.D. mechanical engineer now in her eighties, became extremely ill after DTE installed a smart meter on her home in 2011, suffering tremendously with terrible, debilitating rashes, headaches, anxiety, depression, sharp pains in her body, and insomnia. You can see a picture of the rashes in this MLive story. When Georgetta told DTE what was happening, they were unresponsive. She then purchased an analog meter and had a professional install it on her home. DTE then cut off Georgetta's power. Everything in Georgetta's home requires electricity; it is needed even for flushing toilets and for water. An article in the Daily Tribune states: "After her power was cut, she was reduced to 'primitive life,' she said, having to use the restroom at a nearby Kroger and take showers at a neighbor's home."

<http://dtesmartmeter.blogspot.ie/>

### **Addiction to electricity**

I wanted to point out that we are not just dealing with an 'addiction to devices' but are also dealing with a physiological addiction caused by the partial suppression of the human immune system by the EM waves. As you know, immunosuppressive drugs (like NSAIDs and Cortisol and Prednisone) are often prescribed to people suffering from chronic disease. 45% of the US population are taking drugs for a chronic disease condition. The effects of microwave radiation are additive to any drugs we are taking. Some people are likely to become reliant on this additive suppression, and will feel physical pain or discomfort when removed to an RF-quiet environment. We have observed some immune-disease patients whose symptoms became so severe that they could only take a day or two 'in the country' before having to return to their 'devices' again.

Prof. Trevor G Marshall, PhD  
Director, Autoimmunity Research Foundation,  
Thousand Oaks, California  
Fellow, European Association for Predictive,  
Preventive and Personalised Medicine (Brussels)  
Patron, Unabhangige Gesellschaft zur Erforschung von  
Autoimmunerkrankungen (Germany)  
International Expert Council, Community of Practice:  
Preventative Medicine (Moscow)

### **The sweet, sweet voltage: The electric addiction**

In the Indian district of Uttar Pradesh' Lalitpur, a village priest needs to have a small electrical stimulus before he can fall asleep each night. The priest gets his electricity from home appliances or live wires plugged into the wall. He sometimes leaves the wires in his mouth, under his arms, or behind his ears for the entire night. The article doesn't say exactly how strong the stimuli is, or if the priest prefers a short jolt to a long tingle, but doctors in the village believe he's built up a tolerance to it after using it for four years.

The article seemed like a fluke, until I read that the priest used to be addicted to drugs like opium and marijuana. While some villagers think the priest is divine for his ability to handle the impulses, he believes they're what have kept him clean. Instead of doping up on traditional drugs, he satisfies his cravings with the electrical stimulus.

It turns out that electrical stimulus has been used as a treatment for alcohol addiction for a few years now. Cranial Electrical Stimulation (CES) units have drastically improved the success rates of some alcoholism treatment centers in the US. The patients attach the ends of the device to their earlobes and receive a small current “similar to the electrical pulses in the body.” Patients who were constantly re-entering rehabilitation have found long-term success with the devices, and one treatment adviser thinks it’s the miracle they’ve been looking for. Somehow, the electrical stimulus has satisfied or taken the place of the chemical stimulus they used to seek in alcohol and other drugs.

<http://physicsbuzz.physicscentral.com/2007/11/that-sweet-sweet-voltage-electric.html>

### **Secret of ‘Electric Man’ revealed**

Ma Xiangang held two electric wires in his hands and easily lit a bulb.

[Photo: 0898.net]

He can light a bulb with his hand. He can control electrical currents. He is a man who isn't afraid of direct contact with electricity.

Ma Xiangang, an ordinary man living in Daqing, a city in northeastern China's Heilongjiang province, has a strange gift of being able to touch electricity without being shocked. He can touch 220-volt electric wires without any protection and appear as if it is nothing.

On a recent TV program, Ma held two electric wires in his hands and easily lit a bulb.

<http://english.cri.cn/2906/2007/01/08/65@182653.htm>

From Velma Lyrae, U.K.

### **Smartphones and iPads change how the human brain works – and are destroying our memories**

Professor Geoff Kaufman, of Carnegie Mellon University in Pennsylvania, said: "There has been a great deal of research on how digital platforms might be affecting attention, distractibility and mindfulness and these studies build on this work by focusing on a relatively understudied construct.

"Given psychologists have shown construal levels can vastly impact outcomes such as self-esteem and goal pursuit it's crucial to recognize the role digitisation of information might be having on this important aspect of cognition."

<http://www.msn.com/en-gb/news/indepth/smartphones-and-ipads-change-how-the-human-brain-works-and-are-destroying-our-memories/ar-BBsOjtm?li=BBoPOOL&ocid=mailsignoutmd>

From Pauline Keeley, Dublin

### **There's a ruckus brewing in south Dublin over a mobile phone mast next to a kids' school**

Parents say the proposed mast is a ‘risk they’re not willing to take’. A GROUP OF concerned parents in south Dublin are staging a protest today over plans to erect a mobile phone mast on a building close to a local primary school.

The proposal has been granted planning permission by Dun Laoghaire-Rathdown County Council but the Stop Vodafone Mast Committee is seeking to increase pressure on the various parties to reverse the decision.

[http://www.thejournal.ie/vodafone-mast-monkstown-2762414-May2016/?utm\\_source=email](http://www.thejournal.ie/vodafone-mast-monkstown-2762414-May2016/?utm_source=email)

## **Is Bluetooth radiation as dangerous as cell phone radiation?**

Is Bluetooth Radiation Really Dangerous? Bluetooth radiation has been even less studied than cell phone radiation. The lack of any formal studies have enabled the 'experts' to claim that Bluetooth radiation is safe. This claim is based not on research proving Bluetooth radiation safe, rather on a lack of research proving it to be unsafe – but that is changing quickly.

Regulatory agencies continue to focus on the non-ionizing aspects of Bluetooth radiation as proof it is not dangerous to the body, yet there is substantial evidence showing otherwise. In layman's terms, there is mounting evidence that it is not just the heating aspect of the microwave radiation, but there are also non-thermal effects that induce biological harm.

The 'official' word is that radiation from Bluetooth Headsets and other Bluetooth Devices is too low to be considered dangerous to humans, that thinking might be just a little flawed because they are worn on the body. <https://www.rfsafe.com/bluetooth-radiation-dangerous-cell-phone-radiation/>

## **The microwave drug: The effects of electromagnetic radiation**

Benjamin Nowland moved to inner city Sydney in 2013 and soon after experienced acute symptoms of electromagnetic radiation pollution sickness. His physical, mental and spiritual health were profoundly affected. The only place he functioned was away from Wi-Fi, towers and mobile devices in a Zero EMF Sanctuary.

In his search for truth, Ben questioned the suppression of scientific evidence. He asked why adverse health effects of Wi-Fi, mobile devices, and telco and NBN microwave towers are not shared with the public?

Microwaves are altering our DNA, 24/7. What don't telcos and mobile manufacturers want us to know? In what he called the Sydney EMF Experiment he used himself as the subject to correlate effects of electromagnetic radiation.

Insights were substantiated with extensive research. Tens of thousands of dollars in products and mainstream and alternative therapies were tested during his two-year journey.

In his book, *Playing God: Biological and Spiritual Effects of Electromagnetic Radiation*, Ben provides a streamlined path to discover the invisible, delivering clear revelations around electromagnetic radiation that will enable you to achieve optimal physical and mental health, and inspire empowered action.

"Playing God: Biological and Spiritual Effects of Electromagnetic Radiation" is available here on Amazon and here on [VividPublishing.com.au](http://VividPublishing.com.au).

<https://www.sott.net/article/316340-The-microwave-drug-The-effects-of-Electromagnetic-Radiation>

[Interoccupy.net](http://Interoccupy.net)

Electromagnetic radiation / microwave frequencies call

When: Thursdays at 12:00pm PT / 3:00pm ET

Host: Democracy Watch News, Democracy Watch Media, and the International Collaborative Media Alliance.

Register for the call here!

Description of the call:

Sponsored by Democracy Watch News, Democracy Watch Media, and the International Collaborative Media Alliance, the press briefing brings together journalists, bloggers, advocates, and grassroots activists, providing an interactive environment for short descriptions of recent and upcoming events in support of democracy, human rights, sustainable public policy, and issues important to activists, primarily in the United States and

Canada. Opportunities for questions and answers and open discussions, and extended interviews of local, national, and global significance will provide content for the new podcast—Democracypodcast.

## Events for May 2016

- Democracy Movements International Press Briefing: Africa, Europe, & Middle East. The Eastern Zone. - 05/10/2016 - 11:00 am - 1:00 pm
- ELECTRO MAGNETIC RADIATION/ MICROWAVE FREQUENCIES CALL - 05/12/2016 - 2:00 pm - 3:30 pm
- Democracy Movements Weekly International Press Briefing - 05/12/2016 - 3:00 pm - 5:00 pm
- DEMOCRACY MOVEMENTS INTERNATIONAL PRESS BRIEFING FOR ASIA & THE PACIFIC - 05/18/2016 - 05/19/2016 - 11:30 pm - 1:30 am
- ELECTRO MAGNETIC RADIATION/ MICROWAVE FREQUENCIES CALL - 05/19/2016 - 2:00 pm - 3:30 pm
- Democracy Movements Weekly International Press Briefing - 05/19/2016 - 3:00 pm - 5:00 pm
- ELECTRO MAGNETIC RADIATION/ MICROWAVE FREQUENCIES CALL - 05/26/2016 - 2:00 pm - 3:30 pm
- Democracy Movements Weekly International Press Briefing - 05/26/2016 - 3:00 pm - 5:00 pm

## iPhone

6 Plus may emit six times more cancer-causing radiation than other smartphone brands. 6 Plus is a smartphone that can be classified as one of the most advanced smartphones today, but unfortunately it produces the level of radiation exposure that is quite high, just under the legal limit of FCC, which is 1.6 watts per kilogram (W / kg).

by secretlyhealthy

Apple produces smartphones that are relatively larger than most Android smartphones, but so far this company is not able to compete with Samsung in terms of the safety of mobile phone radiation. CEO turnover couldn't change this fact.

Tawkon, a pioneer company, has developed an application that can measure the amount of radiation emitted by each iPhone.

<http://wakingscience.com/2016/03/iphone-6-plus-may-emit-six-times-more-cancer-causing-radiation-than-other-smartphone-brands/>

## Why you may want to rethink sleeping with your smartphone

Smartphones give off what is known as blue light, a type of light that studies suggest can, “inhibit the production of the sleep-inducing hormone melatonin and disrupt our circadian rhythms.”

[http://www.wirelessdesignmag.com/blog/2016/05/why-you-may-want-rethink-sleeping-your-smartphone?et\\_cid=5271634&et\\_rid=978262838&type=cta&et\\_cid=5271634&et\\_rid=978262838&linkid=http%3a%2f%2fwww.wirelessdesignmag.com%2fblog%2f2016%2f05%2fwhy-you-may-want-rethink-sleeping-your-smartphone%3fet\\_cid%3d5271634%26et\\_rid%3d%26type%3dcta](http://www.wirelessdesignmag.com/blog/2016/05/why-you-may-want-rethink-sleeping-your-smartphone?et_cid=5271634&et_rid=978262838&type=cta&et_cid=5271634&et_rid=978262838&linkid=http%3a%2f%2fwww.wirelessdesignmag.com%2fblog%2f2016%2f05%2fwhy-you-may-want-rethink-sleeping-your-smartphone%3fet_cid%3d5271634%26et_rid%3d%26type%3dcta)

## **Smart meter health complaints**

All around the world people are reporting wireless radiation is affecting their health. We've collected many smart meter health complaints and posted them here. Utilities claim smart meters are safe, and compare them to cell phones. However cell phones, cell towers, wi-fi and other wireless devices can also affect your health!

Reducing your EMF exposure can benefit your overall health and wellness. Learn more about how to reduce EMF's, and sign up for monthly email updates to stay informed!

<http://emfsafetynetwork.org/smart-meters/smart-meter-health-complaints/>

## **Thai students caught using 'Mission Impossible' exam spy glasses**

A top Thai medical college has caught students using spy cameras linked to smartwatches to cheat during exams in what some social media users on Monday compared to a plot straight out of a Mission Impossible movie.

<http://www.france24.com/en/20160509-thai-students-caught-using-mission-impossible-exam-spy-glasses>

## **Parents' smartphones harming children's ability to hold conversation, say teachers**

Parents' immersion in smartphones has left some neglected children starting primary school unable to hold conversations, new research warns. Almost a third of children starting school are not ready for the classroom, with many lacking social skills, having speech problems or not toilet trained, the survey of senior primary school staff has found.

<http://www.telegraph.co.uk/education/2016/05/09/parents-smartphones-harming-childrens-ability-to-hold-conversations/>

Henrick Eiriksson, Solvation Consulting and computer software consultant, U.K.

## **Professors explain radiation impacts on children**

Given your child an iPad/tablet to play with? Got Wi-Fi in the house? Watch this online press conference where Yale & Harvard professors explain wireless radiation impacts on children:

<https://lnkd.in/epGBqqw>

In the first 18 minutes links between mobile-phones, Wi-Fi and ADHD and Autism spectrum disorders are explained. From 18 min. forward the psychological impacts on children are discussed and Q&A is from 25 minutes forward.

## **Cell Phones, Wireless And Children's Health Symposium 2016 Pediatric Academic Societies**

The 2016 Pediatric Societies Annual Conference will be presenting a Symposium on Children, Cell Phones and Wireless. Over 8000 pediatricians, research scientists, health care providers and policy makers from around the world will attend the conference. The Pediatric Academic Societies consists of four sponsoring societies: The American Pediatric Society, the Society for Pediatric Research, the Academic Pediatric Association, and the American Academy of Pediatrics.

<http://ehtrust.org/science/key-scientific-lectures/cell-phones-wireless-childrens-health-symposium-2016-pediatric-societies/>

From Angela , California

Brain tumor rates Increasing in US

There has been a significant increase in the incidence of primary malignant brain and central nervous system (CNS) tumors in American children (0-14 years of age) between 2000-2010, with an annual percentage change (APC) of +0.6%/year. In adolescents (15-19 years old), there was a significant increase in the incidence of primary malignant brain and CNS tumors between 2000-2008, with an APC of 1.0%. Adolescents also experienced an increase in non-malignant brain and CNS tumors from 2004-2010, with an APC of 3.9%. In a subsample of 556 youth for whom cell phone company records were available, there was a significant association between the time since first mobile phone subscription and brain tumor risk. Children who used cellphones for 2.8 or more years were twice as likely to have a brain tumor than those who never regularly used cellphones (OR = 2.15, 95% CI = 1.07 to 4.29). See November 3, 2015 post at <http://www.saferemr.com/2015/05/brain-tumor-rates-are-rising-in-us-role.html> (This website's author is Dr. Joel Moskowitz, who is the Director and Principal Investigator of the Center for Family and Community Health at UC Berkeley's School of Public Health.)

### **Brain tumor lawsuits**

\$1.9 billion in 13 lawsuits against Motorola and cell providers, centering around a Motorola handset technician developing brain cancer (he is dead now – the lawsuit was started 15 years ago) Verizon indicates they "may incur significant expenses in defending these lawsuits," Verizon wrote in its 2015 annual filing. "In addition, we may be required to pay significant awards or settlements." <http://www.wsj.com/articles/case-on-health-risk-from-cellphones-is-back-in-court-1448235126>

So who will pay the \$1.9 billion when Motorola and cell providers like Verizon lose their case? Not insurance companies, because insurance companies won't insure for harm caused by RF wireless radiation! Read below.

### **Opinions of insurance companies and AM BEST. No reinsurance available in case of future harm**

Telecom companies are self-insured (a lot of big companies are self-insured), which means that they pay for insurance claims themselves. Re-insurance companies back up self-insured companies in case they go bankrupt. Major global re-insurance companies,

Swiss Re and Lloyd's of London, do not cover for illnesses caused by continuous long-term non-ionizing RF radiation exposure (which comes from cell towers) anymore. Since 1997, Swiss Re, one of the world's largest re-insurance companies, won't insure for health claims from cell phones. <http://mieuxprevenir.blogspot.com/2011/12/swiss-re-will-not-re-insure-mobile.html>

Since 1999 Lloyd's of London, the largest reinsurer in the world, stopped covering cell phone manufacturers for health claims related to cell phone use. Lloyd's is known for taking on risky policies, stopped reinsuring for liability for electromagnetic wireless emissions starting February 2015.

Lloyd's of London, one of the largest insurers in the world, implemented the Electromagnetic Fields Exclusion. The purpose of the exclusion is to exclude coverage for illnesses caused by continuous long-term non-ionising radiation exposure, which comes from cell phones, cell towers, all wireless devices (iPads, Wi-Fi laptops, Wi-Fi routers). This is very significant. It means manufacturers of wireless devices, cell phone companies, and any businesses that use wireless devices where people are exposed are liable now for any health claims resulting from harm from their wireless devices. Scroll to p. 7 of the A&E policy, item 32 Electromagnetic Fields, to see the wording. <http://www.citizensforsafetechnology.org/Lloyds-of-London-excludes-coverage-for-RFEMR-claims,15,4168>

Lloyd's and other large re-insurance companies such as Swiss Re have relied on their own studies and their own scientists (rather than those funded by cell phone companies, which is the source of most US studies) and have determined that they will not insure the big cell phone and telecommunications companies for the long-term health effects of wireless products. They are even modeling what a brain cancer epidemic between 2020 and 2030 will cost.

<http://beforeitsnews.com/eu/2015/04/lloyds-of-london-withdraw-insurance-for-illhealth-from-use-of-mobiles-phones-wifi-and-emfemr-2581024.html>

Furthermore, AM Best, an insurance rating company, is warning about financial risks for emerging technologies, including wireless radiation. Here is a direct quote from AM BEST: Emerging technologies pose significant risks with possible long tail losses. The risks associated with long-term use of cell phones is unknown; however what is known is the risk that cell tower workers face. Thermal effects include eye damage, sterility, and cognitive impairments.

<http://www.ambest.com/directories/bestconnect/EmergingRisks.pdf>

Insurance companies are in the business of making money. The higher the risk, the greater the potential profit. If an insurance company won't insure a risk at any price, what does this tell you?

From David , Oregon

### **Attention, tech buffs! Reading on digital platforms may change the way you think**

WASHINGTON: Tablet and laptop users, take note! Using digital platforms for reading may change the way you think, making you more inclined to focus on concrete details rather than interpreting information more abstractly, a new study has found. The findings serve as another wake-up call to how digital media may be affecting our likelihood of using abstract thought, researchers said.

<http://economictimes.indiatimes.com/magazines/panache/attention-tech-buffs-reading-on-digital-platforms-may-change-the-way-you-think/articleshow/52185647.cms>

### **AT&T cutting landlines; EMR health advocates protest**

AT&T, which bought DirecTV (wireless) for \$49 billion last year, is on a drive to end landline phone service nationwide, alarming EMR health advocates who see danger in cordless and cellphones. The battle was joined in the California legislature April 13 when an initial hearing was held on AT&T's bid to decommission all its landlines in the state.

It's time for the state to move into the 21st century since 85% of residents no longer have a conventional landline phone from a traditional provider, the company told legislators. AT&T has to maintain 600 central switching offices as if the copper lines were being used at 100% of capacity even though some offices are running at just 2%, it was said. The state has ten million+ copper landlines that are costly to maintain, it said.

<http://www.odwyerpr.com/story/public/6797/2016-04-28/att-cutting-landlines-emr-health-advocates-protest.html>

From Iris , Israel

### **How the World Health Organization's cancer agency confuses consumers**

Processed meat, such as bacon, ranks alongside plutonium as a carcinogen, according to an arm of the WHO. Here's how such assessments happen – and what they mean LONDON – Thanks to scientists working under the auspices of the World Health Organization, you can be fairly sure your toothbrush won't give you cancer. Over four decades, a WHO research agency has assessed 989 substances and activities, ranging from arsenic to

hairdressing, and found only one was “probably not” likely to cause cancer in humans. It was an ingredient in nylon used in stretchy yoga pants and toothbrush bristles.

<http://www.reuters.com/investigates/special-report/health-who-iarc/>

#### Comment

Straif told Reuters that the blame for any confusion lies with industry, activist groups and the media. “There are stakeholders on various sides that want to make it look ridiculous,” he said. “There are activist groups who want to say, ‘This is now an IARC carcinogen and we need to take all actions against it’. And then there is a third dimension – the media, who have their own interests in being sensational.”

Anders Ahlbom, a senior professor at the Karolinska Institute in Sweden, was originally invited to chair the working group on electromagnetic radio frequencies in May 2011. However, Ahlbom, who thinks there is little evidence to suggest mobile phones cause cancer, was asked to step down about a week before the meeting was due to begin after he told IARC he had been contacted by a journalist. The journalist had questioned him about being on the board of his brother’s consulting firm, which helps clients lobby on telecoms issues.

IARC decided that Ahlbom had a perceived conflict of interest. Ahlbom accepted this decision, although he said there was no conflict since he had no financial interest in his brother’s company. Ahlbom said his departure upset the balance of the IARC working group, which, he and five other scientists said, included researchers who already viewed mobile phones as likely to raise the risk of brain tumors.

“It appears that IARC handles conflicts of interest differently depending on who the person is and which ‘side’ he is assumed to represent,” Ahlbom told Reuters.

Straif said IARC “takes all conflicts of interest seriously, regardless of the individuals or organizations involved.” He said that Ahlbom’s exit from the working group did not leave it with an imbalance.

“It is difficult to perceive how a strong working group of 32 internationally renowned experts would suddenly not have a balance anymore because of one single expert who had a conflict,” he said.

From Paul , EMF Refugee, California

Save landline telephones protest San Francisco

May 23rd, 11:30 AM

AT&T Executive Offices

525 Market St.

San Francisco, CA

P.O. Box 1847

Middletown Ca 95461

USA

EMR Updates: The Microwave Factor

The Newsletter of EMF Refugee

The International Coalition for an Electromagnetic Safe Planet (IC-ESP)

**Education! Awareness! Support! Action**

(From denial to acceptance, from ignorance to awareness, from apathy to action, from selfishness to compassion.)

"Who said there was no news out there on the ill effects of electromagnetic radiation from cell phones, cell towers, Wi-Fi, and other forms of wireless?"

March 1st - March 10th, 2016

1. Amateurish radiation protection
2. Etiology of Pituitary Tumors: A Case Control Study
3. Cancer versus FM radio polarization types
4. Prenatal exposure to 1800 MHz EMF harms bone & muscle tissue development in rats
5. French town suspends installation of 'Linky' smart meters
6. Netflix Founder Spends Big to Replace US Teachers With Computers
7. List of schools and organizations that have taken action regarding wireless technology
8. 'EHS can be an impairment. Nobody can tell us the contrary.'
9. Devices on public buses in Maryland are listening to private conversations
10. Reduce microwave radiation (antenna towers, wi-fi, mobile devices) exposure limits by a factor of 100
11. NYC's ad-laden wi-fi terminals are 'Wi-Fry' and 'Wi-Spy'
12. Now giant mobile phone masts could scar the U.K. countryside as government plans to scrap rules which restrict them to 49ft
13. Dr. Martin Pall discusses wi-fi and Multiple Chemical Sensitivities (MCS)
14. Swedish No-Risk project publications are now online
15. Doctors asked to sign appeal to recognizing electromagnetic hypersensitivity
16. Canadians launch application for a class action EMF law suit
17. Ms. McLoughlin Healy's abrupt request to be removed as soon as possible (ASAP) from her iPhone raises two points.
18. Cell phone use is a reproductive health risk: A new cohort study
19. Electromagnetic fields from mobile phone base station - variability analysis
20. From Kevin Mottus in L.A.: Just Sharing – 900 studies categorized
21. Swedish EHS have no free accessibility measures, no governmental subsidies and very few municipal support
22. Power Vs. Information: Why there is no such thing as a safe level of wireless radiation
23. EHS appeal by French doctors and politicians
24. EHT New Website. X-rays. Canadian Report. NIH Rat Study. 700 Cell Phone studies, 78 Cell Tower Studies.
25. Reciprocal longitudinal relationships between mobile phone addiction & depressive symptoms among adolescents
26. If EHS is recognized as an impairment, the states will have no other choice but to create protected areas
27. 'Passive Wi-Fi' researchers promise to cut Wi-Fi power by 10,000x
28. Russia expands Wi-Fi band, opens up to WiGig

“Education! Awareness! Support! Action!”

VISIT OUR SITE

Sincerely,

Paul

emfrefugee@gmail.com

EMR-Updates (Sent from a Hard-Wired Computer – for our Health)

Brought to you by EMF Refugee™ & The International Coalition for an Electromagnetic Safe Planet (IC-ESP)™

(With Over 5000 Posts and Over 500,000 Views [and counting] containing articles, research studies, reports, and videos.)

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<https://www.facebook.com/groups/366624673544511/>  
<https://www.facebook.com/emfrefugeeEMFprotectiongoods>  
<http://www.emfrefugee.co>

"Our prime purpose in this life is to help others. And if you can't help them, at least don't hurt them."  
- Dalai Lama

"The further a society drifts from the truth, the more it will hate those that speak it." – George Orwell

"The Autonomic system is affected by microwaves of the centimeter wave length band. These waves affect circulation, respiration, temperature control, water balance, albumin and sugar concentration in the cerebrospinal fluid, hydrogen ion concentration, EEG, GSR, sleep, conscious awareness, etc." – W. Bergman (The Effect of Microwaves on the Central Nervous System)

From the Citizens Commission on Human Rights of Florida  
Call to arms! Protest psychiatry's push to electroshock our children

Dear Human Rights Advocate,

8 million children in the U.S. are prescribed dangerous psychiatric drugs as 'treatment,' simply because psychiatry has redefined childhood as a 'mental disorder.'

With growing public awareness of the harm and inefficacy of these drugs as 'treatment,' psychiatry now wants to use electroshock on children when their drugs don't work.

The American Psychiatric Association is, right now, pushing the FDA to allow them to shock our kids. We cannot allow this to happen.

Join Us – Help save our kids. March with us to protest their annual convention in downtown Atlanta, Georgia on Saturday, May 14, 2016. Meet up at 10:30 am at the north end of Woodruff Park, Peachtree St NW & Auburn Ave NE, Atlanta, GA 30303

The march concludes with the grand opening of a new exhibit exposing the history of psychiatry's 'treatments,' including the harm to children and the promotion of racism.

For more info email us at [SaveOurKids@cchr.org](mailto:SaveOurKids@cchr.org) or visit <https://www.cchr.org/saveourkids/>.

This email was sent to [paceincnet@gmail.com](mailto:paceincnet@gmail.com)

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EMF Contacts · 114 Ryevale Lawns · Leixlip, Co. Kildare W23 C1F3 Ireland

**From:** "Sheldon @ com" <@ .com>  
**To:** Gary Vesperman <garyvesperman@yahoo.com>  
**Sent:** Monday, May 16, 2016 12:15 AM  
**Subject:** RE: Fwd: The dangers of electromagnetic microwave radiation

I use this case on my iPhone. I suppose the best there is other than talking through a Faraday cage. It is NEVER sold in any provider stores, i.e., T-Mobile, Verizon, Sprint, AT&T, for to do so legally acknowledges the vendors' knowledge of the radiation risks and be utilized as evidence of the vendors' pre-knowledge of these health risks in a court of law. Worst case could cost the providers \$billions in class action damages, if not bankruptcy ... unless they insure against same, wherein such insurance is NOT available from any reputable firm capable of actually paying claims.

<http://www.pongcase.com/>

-Shelly

**From:** Byron <@verizon.net>  
**To:** Gary Vesperman <garyvesperman@yahoo.com>  
**Sent:** Monday, May 16, 2016 12:14 PM  
**Subject:** Re: The dangers of electromagnetic microwave radiation

You are preaching to the choir, had cataracts removed caused by years of working on radio /tv transmitters.

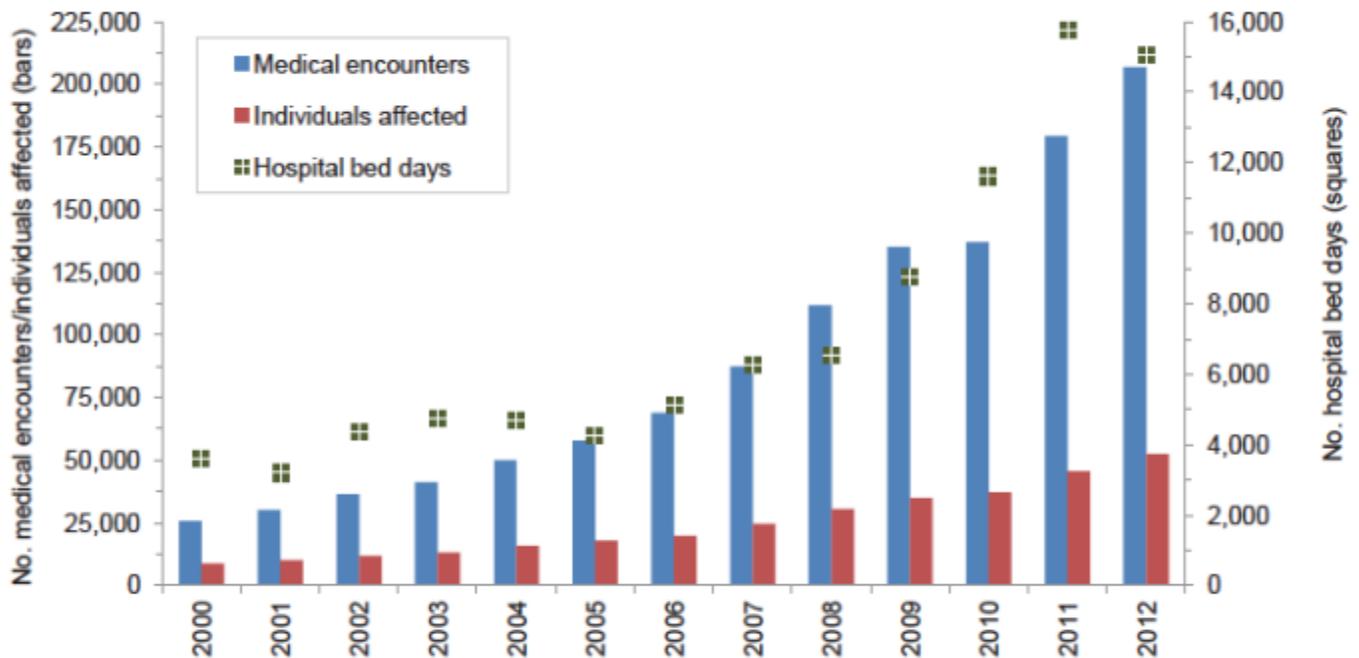
**From:** Angela <@gmail.com>  
**To:**  
**Sent:** Monday, May 23, 2016 3:34 AM  
**Subject:** Huge Increases in Mental Illness in US Children

### **Huge Increases in Mental Illness in US Children**

October 2013: **The NIMH (National Institute of Mental Health) reported 25-30% of kids between ages 13-18 will experience an anxiety disorder. This is an increase of 20 fold (i.e. 1900%) over the last 30 years**  
<http://health.usnews.com/health-news/health-wellness/articles/2013/10/10/how-to-cope-when-school-anxiety-lingers>

November 2013: Time Magazine reports that the **rate of reported anxiety disorders among U.S. troops jumped 327% between 2000 and 2012.**  
<http://swampland.time.com/2013/11/05/anxiety-disorders-on-the-rise-in-the-ranks/>

**FIGURE 3. Medical encounters<sup>a</sup> for anxiety disorder, number of individuals affected,<sup>b</sup> and hospital bed days, active component, U.S. Armed Forces, 2000-2012**



<sup>a</sup>Total hospitalizations and ambulatory visits for the condition (with no more than one encounter per individual per day per condition).

<sup>b</sup>Individuals with at least one hospitalization or ambulatory visit for the condition.

**September 2007: The number of American children and adolescents treated for bipolar disorder increased 40-fold [that's 3900%!] from 1994 to 2003** according to a study published in the September 2007 issue of The Archives of General Psychiatry.. Bipolar disorder is characterized by extreme mood swings. The senior author of the study, Dr. Mark Olfson of the New York State Psychiatric Institute at the Columbia University Medical Center, said, ***"I have been studying trends in mental health services for some time, and this finding really stands out as one of the most striking increases in this short a time."*** The increase makes bipolar disorder more common among children than clinical depression, the authors said.  
[http://www.nytimes.com/2007/09/04/health/04psych.html?\\_r=1](http://www.nytimes.com/2007/09/04/health/04psych.html?_r=1)

**Severe, disabling mental illness has dramatically increased in the United States.** "The tally of those who are so disabled by mental disorders that they qualify for Supplemental Security Income (SSI) or Social Security Disability Insurance (SSDI) increased nearly two and a half times between 1987 and 2007 — from one in 184 Americans to one in 76. **For children, the rise is even more startling — a thirty-five-fold [i.e. 3400%!] increase in the same two decades,**" as Marcia Angell summarizes in the New York Times Book Review. In 1998, Martin Seligman, then president of the American Psychological Association, spoke to the National Press Club about an American depression epidemic: ***"We discovered two astonishing things about the rate of depression across the century. The first was there is now between 10 and 20 times as much of it [depression] as there was 50 years ago. And the second is that it has become a young person's problem. When I first started working in depression 30 years ago ... the average age of which the first onset of depression occurred was 29.5 ... Now the average age is between 14 and 15."***

In 2011, the **U.S. Centers for Disease Control and Prevention (CDC)** reported that **antidepressant use in the United States has increased nearly 400 percent in the last two decades, making antidepressants the most frequently used class of medications by Americans ages 18-44 years.**

In May 2013, CDC reported in “[Mental Health Surveillance Among Children—United States, 2005–2011](#),” the following: “A total of **13%–20% of children living in the United States experience a mental disorder in a given year, and surveillance during 1994–2011 has shown the prevalence of these conditions to be increasing.**”  
[http://www.salon.com/2013/08/26/how\\_our\\_society\\_breeds\\_anxiety\\_depression\\_and\\_dysfunction\\_partner/](http://www.salon.com/2013/08/26/how_our_society_breeds_anxiety_depression_and_dysfunction_partner/)

### **What has happened in the last 2 decades?**

Wireless radiation exposure has increased tremendously since the 1990s. The Telecommunications Act was passed in 1996, which forced local governments to allow the installation of cell towers without regard to health considerations, allowing them to be installed in parks, schools, college campuses, and churches. The TCA has enabled the **number of cell towers to increase from 66,000 in 1998 to 300,000 in 2013, and the number of cell phones more than doubled from 2003 to 2013.**

<http://www.ctia.org/your-wireless-life/how-wireless-works/annual-wireless-industry-survey>

The iPad, which emits higher levels of RF radiation than cell phones, was introduced in 2010. In 2013, LAUSD implemented Wi-Fi throughout all its schools, which led many other school districts across the country to follow suit. Most schools do not have wired internet connections anymore, and have strong, high-capacity Wi-Fi systems to allow each student to connect 3 devices to school Wi-Fi simultaneously. Industrial Wi-Fi systems are now 1800 times faster than they were back in 1997 – faster speeds mean more complex signals because more data is transmitted within the same period of time. **The pulsed signals used to transmit the data in wireless transmission overlap the same frequency range as that exhibited by our own brain waves (alpha, beta, delta, gamma, theta), i.e. 100Hz or less.**

### **For explanation of mechanism of wireless radiation causing neurological effects:**

- **Compromised integrity in the tight junction barriers in our body, which wireless microwave radiation can cause.** “*The opening of our tight junction barriers by electromagnetic fields can account for many modern illnesses, ranging from asthma to multiple allergies and Alzheimer’s disease.*” *We would not expect an immediate effect because the brain has spare capacity, but prolonged or repeated exposure to cell phone or similar radiation would be expected to cause a progressive loss of functional neurons and result in early dementia and Alzheimer’s disease in humans. The extreme sensitivity of the blood-brain barrier to the radiation could mean that even sitting close to someone using a cell phone could affect you too.*”

**Dr. Andrew Goldsworthy, former advisor to the European Space Agency.** Read more about it here  
<http://www.cellphonetaskforce.org/wp-content/uploads/2012/04/Biol-Effects-EMFs-2012-NZ2.pdf>

**Microwave radiation activating VGCCs.** In 2015, **Dr. Martin Pall**, Professor Emeritus of Biochemistry at Washington State University, identified a mechanism where **microwave radiation can activate VGCCs** (voltage gated calcium channels) in brain cells, which **increases intracellular calcium, which can cause neurological diseases by disrupting synapse formation.** **Wireless radiation activating the VGCC and increasing intracellular calcium leads to degradation of proteins in the tight barrier junctions needed to maintain the integrity of the blood-brain barrier, which leads to many neurodegenerative diseases (e.g. Alzheimer’s and dementia).** With enough exposure to increasing intracellular calcium, spines can actually disappear, and end up with neurons that are missing synapses completely, so neurons are not connected to each other anymore. Read more about it here:

<http://www.degruyter.com/view/j/reveh.2015.30.issue-2/reveh-2015-0001/reveh-2015-0001.xml>

Scroll down to "Neurotoxic Effects", "Cognition and Impaired Memory", and "Behavioral Issues" to read about the **research showing damage from wireless radiation to the brain:**

<http://ehtrust.org/science/research-on-wireless-health-effects/>

Here's a pamphlet by EHT on wireless precautions:

[http://ehtrust.org/wp-content/uploads/2012/04/Doctors-Advice-Wireless\\_Apr-08-2016\\_Blue\\_4Print.pdf](http://ehtrust.org/wp-content/uploads/2012/04/Doctors-Advice-Wireless_Apr-08-2016_Blue_4Print.pdf)

**California Medical Association (CMA)**, a group of 40,000 physicians in California and a member of the American Medical Association (AMA), issued a resolution (Dec 2014) stating that **FCC standards** are

*“inadequate to protect human health” and “peer reviewed research has demonstrated adverse biological effects of wireless EMF including single and double stranded DNA breaks, creation of reactive oxygen species, immune dysfunction, cognitive processing effects, stress protein synthesis in the brain, altered brain development, sleep and memory disturbances, ADHD, abnormal behavior, sperm dysfunction, and brain tumors”*

<http://www.parentsfor safetechnology.org/california-medical-association-resolution-on-wireless.html>

Proof of neurological damage caused by cell phone radiation can be seen here in this video by Dr. Devra Davis, oncology epidemiologist, former health advisor to the White House and Nobel Prize Winner, where she presents research and pictures of brain and spinal cord damage in mice exposed to cell phone radiation prenatally. <https://www.youtube.com/watch?v=LZicHZaU...>

**Babysafeproject.org** founded 2014 – an organization of scientists and doctors around the world concerned about wireless radiation affecting fetal brain development. The research of Yale Professor Dr. Hugh Taylor showed prenatal exposure resulted in decreased memory and hyperactivity in offspring. Professor Martha Herbert, MD PhD, a Harvard pediatric neurologist: “RF radiation from Wi-Fi and cell towers can exert a disorganizing effect on the ability to learn and remember, and can also be destabilizing to immune and metabolic function.” Read more about the science and watch their excellent short video here:

<http://www.babysafeproject.org/the-science/>

**Dr. Karl Maret, MD, with degrees also in electrical engineering and biomedical engineering, talks about Wi-Fi and EHS (electrohypersensitivity) in children.** Wi-Fi has evolved to very high speeds. We are now at 1800 times faster speeds than we were back in 1997 with 1st generation Wi-Fi. (The higher the speed the greater the potential for interference within our bodies) Used a German dosimeter to record levels of Wi-Fi radiation exposures on an EHS child at school and correlates symptoms (headaches) to chart of Wi-Fi signals – when the Wi-Fi levels were high, the student developed headaches. Human brain has 5 million magnetite crystals/gram tissue, and these crystals absorb wireless radiation. (10 minutes)

<https://vimeo.com/132039697>

Here's a video by the government of Cyprus telling parents how to protect their children from wireless radiation

<https://www.youtube.com/watch?v=H43IKNjT...>

**From:** Angela < @gmail.com >

**To:**

**Sent:** Wednesday, May 25, 2016 3:04 AM

**Subject:** Watch Mobilize for Free! Huge Autoimmune disease increases

## Watch Mobilize for Free! Huge Autoimmune Disease Increases

For a limited time, you can view for free

Mobilize: A Film About Cell Phone Radiation, an award-winning, feature-length documentary that explores the potential long-term health effects from cell phone radiation, including cancer and infertility. The film examines recent scientific research, follows state and national legislative efforts, and illuminates the political influence that technology companies have. The film was selected as the best documentary film at the California Independent Film Festival in 2014.

Clear Light Ventures is sponsoring free viewing of Mobilize from May 21 to June 25, 2016. For instructions on how to stream the film for free:

[http://clicks.aweber.com/y/ct/?l=7kAvr&m=hT7MDqzHEyPXuZ.&b=ykufz2Pf2ZrPrW9G6q\\_14A](http://clicks.aweber.com/y/ct/?l=7kAvr&m=hT7MDqzHEyPXuZ.&b=ykufz2Pf2ZrPrW9G6q_14A).

(Thank you Clear Light Ventures!)

Here's a preview of the film [https://www.youtube.com/watch?v=XBVJ05u\\_o5I](https://www.youtube.com/watch?v=XBVJ05u_o5I)

For more information and a review of the film see

<http://clicks.aweber.com/y/ct/?l=7kAvr&m=hT7MDqzHEyPXuZ.&b=4E4sCDgiiDBTJowRY4GoQ>

(Note that cordless phones and cell phones use the same technology. Cordless phones were introduced in early 1990s. [https://en.wikipedia.org/wiki/Cordless\\_telephone](https://en.wikipedia.org/wiki/Cordless_telephone) )

A family whose farm animals suffered **miscarriages, infertility, birth defects, nervousness and tumors** following the installation of a cell tower within 800 ft. The child born into the family after the cell tower installation suffered **neurological defects**. A year later after the installation the other children suffer from **bizarre rashes and hyperactivity**. After moving from the farm, the children and herd recovered their health. Stories of others who developed symptoms from exposure to wireless radiation.

[http://www.alternet.org/story/153299/radiation\\_from\\_cell\\_phones\\_and\\_wifi\\_are\\_making\\_people\\_sick\\_-\\_are\\_we\\_all\\_at\\_risk](http://www.alternet.org/story/153299/radiation_from_cell_phones_and_wifi_are_making_people_sick_-_are_we_all_at_risk)

[http://www.alternet.org/story/145562/could\\_your\\_cell\\_phone\\_end\\_up\\_killing\\_you](http://www.alternet.org/story/145562/could_your_cell_phone_end_up_killing_you)

Autoimmune diseases such as lupus, MS, scleroderma, and many others are on the rise and have been for the past four decades in industrialized countries around the world. Below are excerpts taken from

[http://www.alternet.org/story/80129/the\\_autoimmune\\_epidemic%3A\\_bodies\\_gone\\_haywire\\_in\\_a\\_world\\_out\\_of\\_balance](http://www.alternet.org/story/80129/the_autoimmune_epidemic%3A_bodies_gone_haywire_in_a_world_out_of_balance)

Mayo Clinic researchers report that **the incidence of lupus has nearly tripled in the United States over the past four decades.**

**Over the past fifty years multiple sclerosis rates have tripled in Finland.** Rates have likewise been rising in **Scotland, England, the Netherlands, Denmark, and Sweden, where the number of people with MS has been rising at nearly 3 percent a year.** Multiple sclerosis rates in Norway have risen 30 percent since 1963, echoing trends in **Germany, Italy, and Greece, where MS rates have doubled over the past thirty to forty years.**

**The number of children with type 1 diabetes is skyrocketing, with rates increasing 6 percent a year in children four and under and 4 percent in children aged 10 to 14. Rates of numerous other autoimmune diseases – scleroderma, Crohn's disease, autoimmune Addison's disease, and polymyositis – show the same alarming pattern.**

Researchers insist that today's rapid rise in this disease cannot be explained by either better diagnostics or by more people suddenly becoming genetically susceptible ... rather, **a change in environmental factors is the "more plausible explanation."** **At the Mayo Clinic researchers are beginning to ask if rising rates of lupus are the result of an increased exposure to environmental triggers of some unknown origin.**

**Because autoimmune disease is spreading in almost every industrialized nation, scientists the world over have dubbed it 'the Western disease'.**

Dr. Michelle Petri, clinical director of the Johns Hopkins Lupus Center, at the Johns Hopkins Outpatient Center in downtown Baltimore, Maryland has witnessed a dramatic rise in patients with lupus. In the 1960s there were only 150 to 200 lupus patients registered in the Hopkins Rheumatology Clinics. Today, there are 1,700 lupus patients registered from the immediate neighborhood alone. "The population in Baltimore is going down, and yet the number of people coming to our clinic from Baltimore with autoimmune disease is going up," she says. The continued rise in the percent of patients afflicted in her own small urban area is, she says, a "very disturbing" sign...this increase in lupus "is so enormous," says Petri, part of it can only be explained by an increase in the incidence of lupus itself.

**From:** Angela < @gmail.com>

**To:**

**Sent:** Friday, May 27, 2016 2:28 AM

**Subject:** Finally! US Gov't Study shows Cell Phone Radiation can cause Brain and Heart Cancer!

**Finally! US Gov't Study shows Cell Phone Radiation can cause Brain and Heart Cancer!**

**Up until now there has NOT been a US government sponsored study on the health effects of long-term exposure wireless RF radiation** – hard to believe but true. The majority of telecom industry sponsored studies has said that the effects of non-thermal levels of wireless radiation on health is "inconclusive." However the majority of independently funded studies have shown that non-thermal levels of wireless radiation do have health effects.

The first US government study is now complete, and it shows that there is **a statistically significant increase in glioma (brain cancer) and schwannoma (heart cancer) in rats that have been exposed to non-thermal levels of cell phone radiation.** The rats were exposed to 9 hours a day of alternating cycles of 10 minutes of cell phone radiation on, then 10 minutes of 0 cell phone radiation, every day for 2 years. (I believe if the rats were exposed for longer than 2 years, there would have been higher rates of cancer.) The rats that were NOT exposed to cell phone radiation did NOT develop brain or heart cancer. This \$25 million study done by the **NIH National Toxicology Program** was the largest rat study done on cell phone radiation. In 2009 NTP officials gave an update to Congress at the 2009 Cell Phone radiation hearings, stating **"little is known about potential health effects of long term exposure"**. The results were originally supposed to be reported in 2013/4. This video has excerpts from that hearing to share details about the research study:

[https://www.youtube.com/watch?v=EDYTo7dHrI4&feature=em-subsub\\_digest](https://www.youtube.com/watch?v=EDYTo7dHrI4&feature=em-subsub_digest)

Hazards of Toxic Cell Phones, Wireless Devices, Etc – Book One 178

August 17, 2016

Read the full 74 page report on partial findings here

<http://biorxiv.org/content/early/2016/05/26/055699.full.pdf+html> Click on "Preview PDF" to see the full report. More results will be reported later. (Thanks to Theodora for sending this link)

These results are not surprising, since many other independently funded studies and studies from other countries have shown a link to cancer from wireless radiation and/or magnetic fields.

See this Spanish Study <http://microwavenews.com/news-center/elf-emfs-cancer-promotion>

Italian Study <http://microwavenews.com/news-center/ramazzini-animal-study>

German Study <http://microwavenews.com/news-center/rf-animal-cancer-promotion>

A brief description of this study

[https://www.niehs.nih.gov/health/assets/docs\\_a\\_e/cell\\_phone\\_radiofrequency\\_radiation\\_studies\\_508.pdf](https://www.niehs.nih.gov/health/assets/docs_a_e/cell_phone_radiofrequency_radiation_studies_508.pdf)

See this video by attorney Jimmy Gonzalez addressing his city council, after he developed brain cancer and heart cancer after years of cell phone use. Brain cancer at the location where he held his phone to his head, heart cancer where he carried his phone, and also cancer in a nerve in his hand where he held his phone. He died at age 42.

<http://forbiddenknowledgetv.net/jimmy-gonzalez-1972-2014-andquot-cell-phones-cause-cancerandquot-27632>

The FDA and FCC were briefed on the results of this study last week – they are working now on how to advise the public of this health risk. Hopefully they will not spin the results and be candid in informing the public of the health risks.

Read Neurosurgeon Dr. Vini G. Khurana's response to the study results here:

So...keep the cell phone away from your head, out of pants pockets and bras. Minimize use, and children should only use in emergencies. Use it on speakerphone or with an airtube headset. Avoid using cell phones in your car or elevator (metal enclosure amplifies the effects of RF radiation and at the same time blocks reception, forcing your phone to emit higher RF levels to maintain a signal). Keep cell phones, iPads, laptops in airplane mode when Wi-Fi is not in use. Turn off Wi-Fi routers whenever not in use and especially at night, and keep home routers at least 10 ft away from where you spend a lot of time. No one should sit within 16 ft of a school or commercial grade router – per the Collaborative for High Performing Schools. For more precautions, watch this video from the government of Cyprus <https://www.youtube.com/watch?v=H43IKNjTvRM>

**Cell Phone Radiation Boosts Cancer Rates in Animals;  
\$25 Million NTP Study Finds Brain Tumors  
U.S. Government Expected To Advise Public of Health Risk  
May 25, 2016**

The cell phone cancer controversy will never be the same again. The U.S. **National Toxicology Program** (NTP) is expected to issue a public announcement that cell phone radiation presents a cancer risk for humans. The move comes soon after its recently completed study showed statistically significant increases in cancer among rats that had been exposed to GSM or CDMA signals for two-years.

Discussions are currently underway among federal agencies on how to inform the public about the new findings. NTP senior managers believe that these results should be released as soon as possible because just about everyone is exposed to wireless radiation all the time and therefore everyone is potentially at risk.

The new results contradict the conventional wisdom, advanced by doctors, biologists, physicists, epidemiologists, engineers, journalists and government officials, among other pundits, that such effects are impossible. This view is based, in part, on the lack of an established mechanism for RF radiation from cell phones to induce cancer. For instance, earlier this week (May 22), a medical doctor in Michigan wrote an opinion piece for the *Wall Street Journal* stating that, “There is no known mechanism by which mobile phones might cause brain tumors.” He went on to argue that there is no need to warn the public about health risks.

The NTP findings show that as the intensity of the radiation increased, so did the incidence of cancer among the rats. “There was a significant dose-response relationship,” a reliable source, who has been briefed on the results, told *Microwave News*. No effect was seen among mice. The source asked that his/her name not be used since the NTP has not yet made a formal announcement. The rats were exposed to three different exposure levels (1.5, 3 and 6 W/Kg, whole body exposures) and two different types of cell phone radiation, GSM and CDMA.

### **An Amazing Coincidence?**

Importantly, the exposed rats were found to have higher rates of two types of cancers: **glioma**, a tumor of the glial cells in the brain, and malignant **schwannoma** of the heart, a very rare tumor. None of the unexposed control rats developed either type of tumor.

A number of epidemiological studies have linked cell phones to both gliomas and to **Schwann cell** tumors. The **Interphone study**, for instance, found an association between the use of cell phones and gliomas.

The sheath that wraps around cranial nerves – such as the one that connects the inner ear to the brain – is made of Schwann cells. Tumors of those cells are called **acoustic neuromas**. That is, an acoustic neuroma is a type of Schwannoma. At least **four different epidemiological studies** have found an association between the use of cell phones and acoustic neuromas.

**Ron Melnick**, who led the team that designed the NTP study and who is now retired, confirmed the general outline of the results detailed by the confidential source. “The NTP tested the hypothesis that cell phone radiation could not cause health effects and that hypothesis has now been disproved,” he said in a telephone interview. “The experiment has been done and, after extensive reviews, the consensus is that there was a carcinogenic effect.”

“These data redefine the cell phone radiation controversy,” Melnick said. The safety of cell phones has been debated for more than 20 years, especially after the International Agency for Research on Cancer (**IARC**) classified RF radiation as a **possible human carcinogen** in 2011.

“This is a major public health concern because the cells which became cancerous in the rats were the same types of cells as those that have been reported to develop into tumors in cell phone epidemiological studies,” Melnick added. “For this to be a chance coincidence would be truly amazing.”

The NTP radiation project, which has been underway for more than a decade, is the most expensive ever undertaken by the toxicology program. More than \$25 million has been spent so far.

Another interesting coincidence is that the **Ramazzini study** of rats in Bologna exposed to extremely low frequency (50 Hz) EMFs also developed a significant increase in malignant schwannoma of the heart.

### **NTP Stands By the Study Results**

Because of the importance of these results to public health, the NTP alerted the highest levels of the National Institutes of Health (**NIH**), where resistance prompted further reviews. No serious flaws in the data or the conduct of the studies were identified.

Senior managers including **Linda Birnbaum**, the director of the National Institute of Environmental Health Sciences (NIEHS) who also serves as the director of the NTP, and **John Bucher**, the associate director of the NTP, who is in charge of the cell phone study, are standing by the study findings. They see the need to release the results as a public health imperative, according to the source.

**Chris Portier**, who once held Bucher's job, agrees that the NTP is doing the right thing. "I would be adamant that we should share the data with the public as soon as possible," he said in an interview. The cell phone study was initiated while Portier was serving as the associate director of the NTP. He is now retired, though he continues to work as a consultant.

After extended discussions, the two federal agencies responsible for regulating exposures to cell phone radiation, the Food and Drug Administration (FDA) and the Federal Communications Commission (FCC), were briefed on the results last week. It is not clear how these regulatory agencies plan to respond.

All the various agencies are now in the process of planning the release of the NTP findings. Neither Birnbaum nor Bucher responded to a request for comment on how this will be done.

### Unexpected Findings

Few outsiders are yet aware of the NTP results. When *Microwave News* told some of those who have been tracking the study for years what had been found, all expressed surprise.

Indeed, in an interview published years ago, NTP's **Bucher said** that he expected the results to show no association between RF radiation and cancer.

"Everyone expected this study to be negative," said a senior government radiation official, who asked that his name not be used. "Assuming that the exposures were carried out in a way that heating effects can be ruled out, then those who say that such effects found are impossible are wrong," the official said. (The study was designed to ensure that the body temperature of the exposed rats increased less than 1°C.)

"This is a game changer, there is no question," said **David Carpenter**, the director of the Institute for Health and the Environment at the University of Albany. "It confirms what we have been seeing for many years – though now we have evidence in animals as well as in humans." Carpenter went on to add, "The NTP has the credibility of the federal government. It will be very difficult for the naysayers to deny the association any longer." Carpenter's institute is a **collaborating center** of the World Health Organization (WHO).

**John Boice**, the president of the National Council on Radiation Protection and Measurements (NCRP), is one of the leading skeptics. "For most of us, the issue of brain cancer and cell phones is resolved. There is no risk. There is no biological mechanism and no animal study or cellular study that finds reproducible evidence of an effect," Boice **told a reporter** for Medscape Medical News earlier this month.

This view is so deeply held that in the summer of 2014, the NCRP pressured the Centers for Disease Control (CDC) to **delete precautionary advice** from a fact sheet on cell phones.

Boice was discounting last year's **report from Germany by Alex Lerchl** confirming an earlier animal study showing that cell phone radiation can promote tumors in mice that were induced by toxic chemicals. The NTP experiments did not use any agent to initiate cancer cells in the animals.

With respect to mechanisms, just a couple of months ago, **Frank Barnes** and **Ben Greenebaum**, two senior members of the RF research community, **announced** that they could explain how low levels of RF radiation could alter the growth rates of cancer cells.

Read it here Microwave news <http://microwavenews.com/news-center/ntp-cancer-results>

**From:** Angela < @gmail.com >

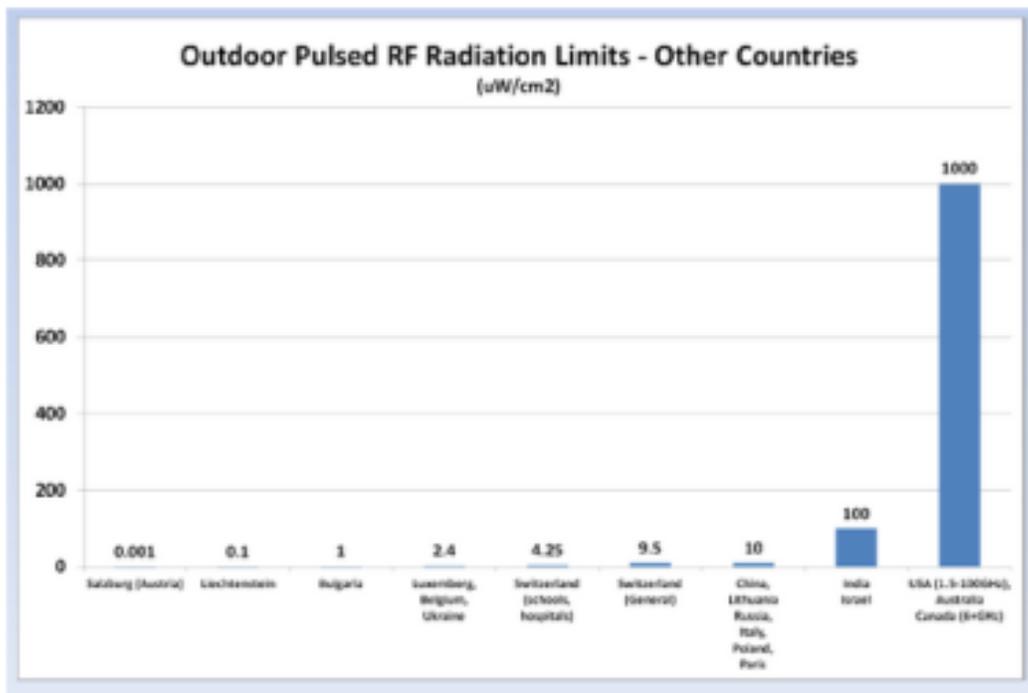
**Sent:** Sunday, May 29, 2016 11:49 AM

**Subject:** Fwd: Finally! US Gov't Study shows Cell Phone Radiation can cause Brain and Heart Cancer!

Hi Everyone,

There has been a lot of bias and spin in reporting the results of the rat study. Unfortunate but expected. This 4-minute interview with WSJ journalist Ryan Knutson is unbiased and explains this experiment factually <http://www.msn.com/en-us/health/medical/cellphone-cancer-link-found-in-government-study/ar-BBty3pA?ocid=ansmsnhealth11>

**The most important thing about this NTP study is that it shows that there are biological effects at levels of RF exposure BELOW thermal levels – but current exposure limits in the US and other countries are based on thermal levels!** The body temperatures of the rats were kept constant at  $\pm 1$  C. The US government and other industrial nations have always maintained that there are no health effects at levels below the thermal threshold, i.e. if there is not enough microwave RF radiation to cause tissue heating/body temperature to go up, then you are "safe" (see chart below for comparison of exposure limits between countries) The results from this study, which show a statistical significance in the incidence of brain and heart tumors in exposed rats, call into question this long-held presumption and therefore the current established maximum permissible exposure limits which are based on thresholds that would cause heating effects. It is because of this presumption that cell phones were exempted from product safety testing by the FDA, and this presumption was then later applied to all other wireless devices - cordless phones, cell towers, wi-fi routers, ipads, wireless laptops, smart meters – meaning that **NONE of these devices were ever tested for long term health effects**, yet have been massively deployed, leading most people to assume falsely that they have been proven safe. Your RF exposure would be below thermal limits from cell phones when they don't touch your body, Wi-Fi routers if at a distance of 8 inches or more per FCC, and cell towers if not directly within a few feet of an antenna.



Please read Dr. Joel Moskowitz' further analysis of the study. He is the director of the Center for the Center for Family and Community Health at UC Berkeley's School of Public Health <http://www.saferemr.com/2016/05/national-toxicology-program-finds-cell.html>

**From:** Angela < @gmail.com >

**To:**

**Sent:** Saturday, May 28, 2016 3:06 AM

**Subject:** Please post these videos on social media for NIH Rat Studies

## **Please Post these Videos on Social Media for NIH Rat Studies**

Hi Everyone,

I've been reading the posts out there about the rat studies, and the spin that I am seeing is:

- 1) these are cancers in rats, so don't give rats cell phones
- 2) cancer rates are low in the rats – the 1-3% cancer rate is not a big deal

I would ask that if you can, please post the following videos ASAP on social media in response to negative responses. Most people would rather watch videos than read, and it's these masses that we have to reach. Most people unfortunately do not understand scientific method, statistical significance, or why rat studies are important, but many are searching for news/opinions on this topic now so this is a great time to bring attention to the following videos:

- 1) Mobilize: A Film About Cell Phone Radiation, an award-winning documentary that explores the potential long-term health effects from cell phone radiation, including cancer and infertility. The film examines scientific research and illuminates the political influence that technology companies have over our government. The film was selected as the best documentary film at the California Independent Film Festival in 2014. Clear Light Ventures is sponsoring free viewing of Mobilize from May 21 to June 25, 2016. For instructions on how to stream the film for free:  
[http://clicks.aweber.com/y/ct/?l=7kAvr&m=hT7MDqzHEyPXuZ.&b=ykufz2Pf2ZrPrW9G6q\\_14A](http://clicks.aweber.com/y/ct/?l=7kAvr&m=hT7MDqzHEyPXuZ.&b=ykufz2Pf2ZrPrW9G6q_14A).

Here's a preview of the film [https://www.youtube.com/watch?v=XBVJ05u\\_o5l](https://www.youtube.com/watch?v=XBVJ05u_o5l)

- 2) Attorney Jimmy Gonzalez dies at age 42 of brain cancer, heart cancer after years of cell phone use. Brain cancer at the location where he held his phone to his head, heart cancer where he carried his phone, and also cancer in a nerve in his hand where he held his phone. He died at age 42.  
<http://forbiddenknowledge.tv.net/jimmy-gonzalez-1972-2014-andquot-cell-phones-cause-cancerandquot-27632>

- 3) Israeli Documentary "How We Kill Ourselves with Wireless Radiation"  
Please watch.

Click on cc at bottom right to read unofficial English subtitles  
<https://www.youtube.com/watch?v=bpJsIWuV-PA&feature=youtu.be>

- 4) Video by the government of Cyprus telling parents what precautions to take to protect their children <https://www.youtube.com/watch?v=H43IKNjTvRM>

**From:** Angela < @gmail.com>  
**To:**  
**Sent:** Friday, June 3, 2016 10:37 AM  
**Subject:** RF emissions from an HP printer etc

Hi Everyone,

Please read note below from Alasdair Philips – he has seen systems that can use signals from your home Wi-Fi router and DECT cordless phones to image people inside buildings (radar uses RF signals). ECO-DECT phones where cordless base does not transmit RF signals when the phone is not in use is not available for sale in the US.

Also attached is a document on how to turn the RF signals off from wireless printers – which can be quite high at  $1999 \text{ uW/m}^2 = 0.1999 \text{ uW/cm}^2$ .

**From:** André Fauteux  
**Date:** Thu, Jun 2, 2016 at 12:28 PM  
**Subject:** Re: RF emissions from an HP printer etc, et al. A warning.  
**To:** Alasdair Philips , Donald Hillman  
Thanks very much, Alasdair  
Angela, you can forward this  
André

Le 2 juin 2016 à 15:23, Alasdair < @powerwatch.org.uk> a écrit :

Thanks, André and Donald,

A helpful email.

This is absolutely correct. Many printers (not just HP) do this – they default to wireless “on” and don’t have the sense (?...) to switch off when you don’t connect to them wirelessly. Maybe they just pick up neighboring Wi-Fi routers and stay active in case they send them something – if so, that is quite ridiculous. I have an (otherwise excellent) HP printer and have had several arguments with it as it kept re-enabling its Wi-Fi every time it downloaded an update from HP. I live in a remote rural area absolutely no Wi-Fi signals are detectable at my home (I have very sophisticated professional monitoring equipment).

However, I suspect it is a widespread NSA (etc, et al) ploy as there are now very effective passive wireless radar imaging systems that rely on DECT cordless phone and Wi-Fi signals to covertly image people inside buildings and to ensure that these external ‘view inside the building’ passive radar systems usually work well. I have seen two systems demonstrated and they work remarkably effectively as long as you have at least one, and preferably two active microwave sources inside the building.

I believe that that is probably why almost all home-based Wi-Fi and DECT systems do not use transmit amplitude control to minimize the RF transmitted. The bigger the signal, the better the imaging.

Everyone who is concerned should now have a sensitive and effective meter/monitor that works up to at least 6 GHz and should check their environment at least once per week.

The passive radar systems can also use string mobile phone mast signals, Smart meter signals and IoT (Internet of Things) signals as these transmit regularly enough for their signals to be used to help with the remote imaging.

Big brother is out there and is encouraging your irradiation in the so-called name of homeland security (or whatever your country calls it). I am not a general conspiracy theorist. These systems do exist and are being used. Imaging technologies are developing rapidly – which is why driverless cars are now becoming a real possibility.

My message is “Detect and Protect”.

You may circulate my response.  
Alasdair

*Alasdair Philips*  
*Director Powerwatch UK*

**From:** André Fauteux [<mailto:andre@maisonsaine.ca>]  
**Sent:** 02 June 2016 17:33  
**Subject:** How to mitigate RF emissions from an HP printer

**De:** [Donag1@aol.com](mailto:Donag1@aol.com)  
**Date:** 1 juin 2016 15:52:28 UTC-4  
**À:**  
**Objet:** Printer Problem?

Dear Friends:

We recently discovered very high radiation was coming from our HP printer and thought you might be interested in learning how to mitigate it! I have attached a brief article that demonstrates how to turn it off.

Best regards,

**Donald Hillman, Ph.D.**  
**Professor Emeritus, Michigan State University**  
**750 Berkshire Lane**  
**East Lansing, MI 48823**

High Levels of RF Emanate from HP Printers Even Without a Wi-Fi Router in the Home

Donald Hillman, Ph.D., Professor Emeritus, Michigan State University  
Mary Hillman, M.A., Michigan State University

Elizabeth Jesse, a former neighbor of ours in East Lansing, MI, on May 28, 2016, brought a new HF 35C HF Analyzer to our home and checked for high radio frequencies (RF). Her husband Jack accompanied her and recorded the pictures throughout this report.

Most of our home was cleared from radiation back in the early 2000s when David Stetzer, an expert electrician from Wisconsin, used a Graham-Stetzer Microsurge Meter to find the ‘Dirty Electricity’ and then filtered it with Graham-Stetzer Filters. Because his time was limited there was one spot near our refrigerator that he was not able to filter.

When Elizabeth measured throughout the house, again she noted a hot spot near our refrigerator. She traced it into our office and discovered it was coming from a HP Printer that had been turned on. The HF Analyzer measures in micro-watts per square meter. When the number goes to “1” at the far left of the display window (as it does in the picture at the right), it means that the meter has maxed out and the reading has gone above 1999 micro-watts per square meter.

Elizabeth was aware that even though we did not have a Wi-Fi Router in our home that the printer emits high levels of radiation until the Wi-Fi feature on the printer is turned off. She led us through the following steps on our HP Officejet 7500A Wide Width Wireless Printer.

Turn the printer on and the Main Menu will appear. Use the arrow on the right of the screen to scroll to the next screen. From the 2nd Menu, choose “Setup.” From the Setup Menu, choose “Network.” From the Wireless Menu, choose “Wireless Radio.” From the Wireless Radio Menu, choose “Off” (See Figures below). Other printers may have different menus. The Jesses after choosing Network from their printer menu as above, have a different menu appear which requires “Wireless” to be turned Off and “Wireless Direct” to be turned Off.

From the Wireless Menu, choose “Wireless Radio”

We were very happy to have our room be free from the ‘Dirty Electricity’, clear out to the refrigerator in the next room.

We hope that our findings will be helpful for you!

Be Safe – Turn the Wireless Off from your printer!

**From:** Angela < @gmail.com>

**To:** emfcontacts@googlegroups.com

**Sent:** Sunday, June 5, 2016 12:15 PM

**Subject:** Corrected: 100%+ Increase in Glioma 1989-2010. Ex-Motorola scientist corroborates DNA damage. NTP study within FCC limits

**Corrected: 100%+ Increase in Glioma 1989-2010. Ex-Motorola Scientist Corroborates DNA Damage. NTP Study within FCC Limits**

Hi Everyone,

Elections are on Tuesday June 7.

This is a good time to forward the info and stats below to your politicians that are running - state assembly, Congress is having elections.

Let them know you would only support politicians who acknowledge the recent NTP studies on cell phone radiation and staggering increases on neurological diseases that have occurred in the last decades since cell phones were introduced. Even if they don't support, right now because of elections they will at least pay attention to issues constituents bring forth. (I should have thought of this sooner)

I've made some corrections to the email I sent previously, because I've been informed that

1) "ears" can also be exposed to 4W/kg. in 2013, ears were reclassified as appendages, the same as hands, feet, wrists, and ankles per FCC <https://stopsmartmetersirvine.com/2013/06/06/the-better-to-cook-you-my-dear-the-fcc-mobile-phone-industry-ally-reclassifies-body-part/> (thanks Ed)

2) Recalc of autism stats – 1 in 5000 in 1975, and 1 in 110 in 2009 per Autism speaks – this is actually increase of over 45 times, or over 4400% (the chart by Autism speaks says 600% increase, which is a mistake). CDC's most recent figure on autism is 1 in 68, reported in 2014, so this is 73.5 times higher than in 1975, or over 7200% (thanks Paul)

Angela

**From:** Angela < @gmail.com >

**To:**

**Sent:** Monday, June 6, 2016 3:33 AM

**Subject:** Fwd: Corrected: 100%+ Increase in Glioma 1989-2010. Ex-Motorola scientist corroborates DNA damage. NTP study within FCC limits.

I've made some corrections to the email I sent previously, because I've been informed that

1) "ears" can also be exposed to 4W/kg. In 2013, ears were reclassified as appendages, the same as hands, feet, wrists, and ankles per FCC <https://stopsmartmetersirvine.com/2013/06/06/the-better-to-cook-you-my-dear-the-fcc-mobile-phone-industry-ally-reclassifies-body-part/> (thanks Ed)

2) Recalc of autism stats - 1 in 5000 in 1975, and 1 in 110 in 2009 per Autism speaks - this is actually increase of over 45 times, or **over 4400% increase** (the chart by Autism speaks says 600% increase, which is a mistake). CDC's most recent figure on autism is 1 in 68, reported in 2014, so this is 73.5 times higher than in 1975, or **over 7200% increase in autism over the last 30 years** (thanks Paul)

3) My language regarding the second law of thermodynamics was not correct and caused confusion. I did not mean to say that life violates the second law of thermodynamics, but that thermodynamics cannot explain why life exists in the first place (thanks Meg)

Angela

**From:** Angela < @gmail.com >

**To:**

**Sent:** Saturday, June 11, 2016 12:04 PM

**Subject:** Sprint aims to roll out thousands of wireless antennas on utility poles to improve service

### **Sprint Aims To Roll Out Thousands Of Wireless Antennas On Utility Poles To Improve Service**

**A few months back I sent an email about FCC pushing wireless companies to provide faster speeds which would increase the number of cell towers. June 2015: FCC fined AT&T \$100 mil for slowing down their data speeds, slower than advertised, for their unlimited data plan customers.**

**<http://finance.yahoo.com/news/fcc-seeks-100-mn-t-fine-over-unlimited-174431152.html>**

Then the wireless industry has been lobbying to remove proof of gap/need from cell tower applications, looking to substitute capacity instead (because there are no more significant gaps anymore) – Skip to p. 7  
[http://www.commerce.senate.gov/public/\\_cache/files/44f7c802-4036-48f0-9bb2-262172a396f4/31C5D5D81BBA11614012742C05C75CED.hon-jonathan-adelstein-testimony.pdf](http://www.commerce.senate.gov/public/_cache/files/44f7c802-4036-48f0-9bb2-262172a396f4/31C5D5D81BBA11614012742C05C75CED.hon-jonathan-adelstein-testimony.pdf)

When this happens, wireless companies can easily justify the need for a cell tower anywhere – all they have to say is that if they don't get it, speeds will slow during peak times. Proof of 'significant gap' is required by the 1996 Telecommunications Act, and challenging the wireless provider to prove 'significant gap' was one of the ways that residents could stop a cell tower installation. Telecom almost succeeded this year in February 2016 with the passage of the Mobile Now Act. The original drafted version from November 2015 would have **prohibited local governments from requiring the provider to perform a drive test to prove that a new site is needed – i.e. cities will have to accept the wireless provider's claim that they need a new facility without any proof**, but it was rejected because it gave telecom too much power. Then the Mobile Now Act was revised and the provision for removing proof of need was removed. However, telecom will no doubt try again at the next opportunity to remove proof of gap/need.

In August 2015 **Sprint announced plans to have the best network coverage by 2017 (which will mean more cell towers)** <http://money.cnn.com/2015/09/18/technology/sprint-network/>

See below for article on how they will do it – by attaching cell antennas to telephone poles  
<http://www.wsj.com/articles/sprints-drive-to-improve-coverage-faces-permit-delays-1465337015>

If you haven't read the research on cell towers and health effects, please do so. This is an issue that affects you, your children, your grandchildren. Click on "Please Read Examples of Research on Cell Towers"  
<http://ehtrust.org/science/cell-towers-and-cell-antennae/> and  
<http://www.safeschoolspg.org/research-on-cell-tower-radiation.html>

You may end up with a cell antenna light pole near your school or residence, and you might be powerless to stop it when it gets proposed. **The time to do something about it is NOW through legislation through your city and state. One way is to get a setback of cell towers to schools and residences – 1500 ft. is recommended by most experts.**

**Lastly, I would like to remind everyone that cell towers, cell phones, all wireless were never tested for long-term health effects from chronic exposure by the US Government until the NTP study which exposed rats to cell phone radiation for 2 years at levels that were not high enough to cause increases in body temperature – yet cancer showed up at 1.5W/kg which is below FCC SAR limit of 1.6W/kg. In industrialized nations all wireless products have been presumed to be safe (and are allowed to be sold) as long as there is not enough microwave radiation emitted to cause increases in body temperature – i.e. personal wireless devices sold in the US must be rated at SAR of 1.6W/kg or below. iPhone 6 plus SAR rating is 1.59W/kg with all antennas on**

<https://www.sarchecker.com/apple-iphone-6-sar-rating-level-edges-extremely-close-to-legal-limits/>

Angela

Sprint's Wireless Fix? More Telephone Poles  
Wireless provider's innovative plan to boost cell service runs into local hurdles

One of the wireless antennas being installed on light poles in cities around the country for Sprint and other carriers to increase cellphone service quality at lower cost than much-larger tower antennas. Pole above is in Los Angeles.

PHOTO: CELLTOWERPHOTOS.COM

By RYAN KNUTSON

June 7, 2016 6:03 p.m. ET

Don Budreski earlier this year noticed a roughly three-story-tall utility pole pop up across the street from his Baltimore electronics shop.

“It was just odd,” he said of the slender, steel post. “I thought, ‘What are they putting that thing there for?’ ”

Mr. Budreski had caught a glimpse of a key element of Sprint Corp.’s plan to improve its network and win back customers – thousands of sidewalk utility poles.

The Overland Park, Kan., company wants to install low-power cellular antennas in public rights of way, land typically holding utility poles, street lamps and fire hydrants. In places where it can’t strap antennas to existing poles, it wants to erect new poles.

Sprint is primarily working with Mobilitie LLC, a Newport Beach, Calif., company to build these cellular antenna systems from California to Massachusetts. Mobilitie has begun installing them, which it says are typically the size of a briefcase and often inside boxes attached to the poles.

But the rollout has been delayed as communities confront what some consider unsightly installations and authorities wrestle with new regulatory questions. Sprint recently slashed its capital spending plans for the year as it waits for zoning approvals. Mobilitie says it has about 1,000 permits approved and will start large-scale installations once more are in hand.

In the past, wireless carriers built towers of 200 feet or more that could send signals over large areas to cover as many customers as possible. Now that more people use smartphones to stream videos and surf the Web, carriers want to put lower-power antennas closer to the ground so that fewer people will connect to each one – resulting in less network congestion.

“It’s not a new concept,” said John Saw, Sprint’s chief technology officer. “All carriers are trying to ‘densify’ their networks.” But Sprint’s goal is to be “cheaper and faster and more innovative” than its rivals, he said.

Popping antennas on existing utility poles is something most carriers are hoping to do. But cash-strapped Sprint aims to take the concept further than rivals: It is hoping to install as many as 70,000 antennas in the public right-of-way over the next few years. By comparison, it has 40,000 traditional antenna sites on towers or rooftops.

It is a central piece of a strategy devised in early 2015 by Sprint Chairman Masayoshi Sonto to improve service while keeping costs down. Companies can negotiate with a city for one deal that includes various permits. Mobilitie Chief Executive Gary Jabara says building and operating these so-called small cells costs about \$190,000 over 10 years, whereas a traditional tower costs \$732,000 because of real estate rents, power and other costs.

The airwaves Sprint owns are ideally suited for this design because their high frequency prevents them from traveling long distances. Rather than string fiber-optic cables to each antenna, Sprint hopes to link them via wireless connections, further bringing down costs and speeding deployment.

Analyst Jonathan Atkin at RBC Capital Markets is skeptical, saying Sprint may only be able to build a fraction of the sites it wants in public rights-of-way governed by federal, state and local laws.

Mobilitie's practices in some places have faced local resistance. It has filed applications under various corporate names, including the Illinois Utility Pole Authority, NC Technology Relay Networking, and Interstate Transport and Broadband. It has used similar-sounding names in at least 30 states.

Joseph Van Eaton, a lawyer who represents municipalities dealing with the applications, says the names are misleading. "You may very well end up with some of these applications being granted for exactly the reason why they like these names – it sounds official," he said.

Mobilitie is willing to modify its applications to avoid being disruptive, Mr. Jabara says. "It's more important to be a good citizen" than to move quickly, he said. "You have to do the right thing."

Mr. Jabara says the names also make it easier for local officials to understand the status of his firm. The company is a registered utility and those business names help reflect that status, he says. "In some states it's more comprehensible for a jurisdiction to work with an authority," he said. In the future, the company will most often use the name "Mobilitie" in dealings with local officials, he said.

In Salem, Mass., Mobilitie applied last fall to install antennas on seven poles. After some residents expressed concerns over the look of the antennas, the company withdrew three applications and agreed to camouflage the other four.

'Not in my backyard has been around for a very long time.' – John Saw, Sprint CTO

In Baltimore, Mobilitie was fined \$5,000 for failing to get proper permits for the temporary pole across from Mr. Budreski's shop, which was taken down after a few days. The company since has received approval to attach equipment to 14 poles across the city. It will pay Baltimore \$70,000 for pole attachment rights in the first year of the deal. Mr. Jabara says that amount is unusually high, and many places charge less than \$50 a year per pole.

Mr. Jabara says such incidents were inadvertent mistakes. Sprint's Mr. Saw says his company is committed to being patient and making sure municipalities are comfortable with its plans.

"We're not surprised that sometimes you will run into opposition in certain jurisdictions," Mr. Saw says. " 'Not in my backyard' has been around for a very long time."

Write to Ryan Knutson at [ryan.knutson@wsj.com](mailto:ryan.knutson@wsj.com)

**From:** Angela < @gmail.com>

**To:**

**Sent:** Wednesday, June 22, 2016 1:18 AM

**Subject:** AB 2788 died, BUT FCC is targeting massive deployment of small cells

**AB 2788 died, BUT FCC is Targeting Massive Deployment of Small Cells**

Hi Everyone,

Although California Bill AB 2788 was just withdrawn by Gatto due to serious opposition from activists and local governments (again thanks to everyone who wrote, phoned in, contacted the press), FCC's Tom Wheeler is introducing something similar July 14 in order to enable 5G, which will begin deployment in 2017. He made a speech just yesterday June 20 about this. (I received this from another activist – thanks for sending).

**In summary, 5G is a "national priority," and it will require "massive deployment" of small cells (like in CA AB 2788) because it uses higher frequency bands which do not penetrate obstacles well.** I am guessing the 'massive deployment' will be similar to what was proposed in CA Bill 2788 – in front of homes, on schools, and on government property. (As smart phones and devices handle more data faster, they need more bandwidth and higher speeds, and 5G will enable higher speeds. This isn't about significant gap in coverage – there are no significant gaps in coverage remaining for making voice calls. **Cell tower deployment is now all about providing faster speeds to enable video downloads from the internet, not about 911 or voice call coverage**)

This speech can be heard on [www.c-span.org](http://www.c-span.org). Some of the excerpts are below. This frightening speech is well-worth listening to.

<https://www.fcc.gov/document/remarks-chairman-wheeler-future-wireless>

Tom Wheeler, Monday, June 20, National Press Club, Prepared remarks (there was also some Q&A):

#### **Excerpt:**

... That is why **5G is a national priority**, and why, this Thursday, I am circulating to my colleagues proposed new rules that will identify and open up then rely on a private sector-led process for producing technical standards best suited for those frequencies and use cases...

On the network side, **Verizon and AT&T tell us they will begin deploying 5G trials in 2017.**

These efforts will, of course, help inform the standards process by putting stakes in the ground.

And the **first commercial deployments at scale are expected in 2020.** This timeline requires that we act to pave the way today. With the new rules I am proposing in our Spectrum Frontiers order, we take our most significant step yet down the path to our 5G future.

The big game-changer is that **5G will use much higher-frequency bands** than previously thought viable for mobile broadband and other applications. Such millimeter wave signals have physical properties that are both a limitation and a strength: they tend to travel best in narrow and straight lines, and **do not go through physical obstacles very well.** **This means** that very narrow signals in **vast amounts of spectrum for 5G applications.** **We call it the Spectrum Frontiers proceeding, and we will vote on it July 14th.**

... And **high-band spectrum** will be the focus of our decision next month. These bands **offer huge swaths of spectrum for super-fast data rates** with low latency, and are now becoming unlocked because of technological advances in computing and antennas.

**If the Commission approves my proposal next month, the United States will be the first country in the world to open up high-band spectrum for 5G networks and applications.** And that's damn important because it means U.S. companies will be first out of the gate.

... We will be repeating the proven formula that made the United States the world leader in 4G. It's a simple formula: Lead the world in spectrum availability, encourage and protect innovation-driving competition, and stay out of the way of technological development.

Unlike some countries, we do not believe we should spend the next couple of years studying what 5G should be, how it should operate, and how to allocate spectrum, based on those assumptions. Like the examples I gave earlier, the future has a way of inventing itself. Turning innovators loose is far preferable to expecting committees and regulators to define the future. We won't wait for the standards to be first developed in the sometimes arduous standards-setting process or in a government-led activity. Instead, we will make ample spectrum available and an urban environment tend to bounce around buildings and other obstacles making it difficult to connect to a moving point. But it also means that the spectrum can be reused over and over again.

Brilliant engineers have developed new antennas that can aim and amplify signals, coupled with sophisticated processing, allowing a moving device to pick up all of the signals bouncing around and create one coherent connection. To make this work, **5G buildout is going to be very infrastructure intensive, requiring a massive deployment of small cells.**

But it also opens up unprecedented opportunities for frequency reuse and denser, more localized, networks.

**From:** Andrew Michrowski <paceincnet@gmail.com>

**To:**

**Sent:** Thursday, June 23, 2016 4:47 PM

**Subject:** Fwd: Nine new studies on electromagnetic fields and biology or health

### **Nine New Studies On Electromagnetic Fields And Biology Or Health**

**VERY IMPORTANT STUDY RESULTS** THAT CAN HELP IMPROVE THE **ASSESSMENT OF INJURIOUS AFFECTION** BY VARIOUS **EXISTING** and **EMERGING** WIRELESS TECHNOLOGY SUPPLIERS (for example driver-less, cars, drone systems, novel transmitters and surveillance systems, and THE **REGULATORY MEASURES** WHICH COULD **HELP & RELIEVE THE GENERAL POPULATION.**

THE **STATISTICS BASE RATIOS** BEING MADE POSSIBLE BY EACH JURISDICTION COULD ENABLE **RECOVERY OF FINES AND PRODUCE MASSIVE PUBLIC INCOMES** FROM **VIOLATORS** OF **MICROWAVE EMISSION LIMITS** and APPLIED FOR THE **CLEANUP** OF ENVIRONMENTAL, QUANTUM- ACCELERATED INFRASTRUCTURE DETERIORATION AND SPECIFIC EDUCATIONAL, SOCIAL, HEALTH DETERIORATION **EXPENDITURES** BY **PRIVATE, CIVIC SOCIETY AND PUBLIC ADMINISTRATION** STAKEHOLDERS, including municipalities, school boards, hospitals, departments of the environment.

Dr. Andrew Michrowski

From: **Joel MOSKOWITZ** < @berkeley.edu>

Date: Thu, Jun 23, 2016 at 3:08 PM

Subject: Nine new studies on electromagnetic fields and biology or health

To: CHE-EMF <cheemf@lists.healthandenvironment.org>

### **Nine New Studies On Electromagnetic Fields And Biology Or Health**

**Electromagnetic Radiation Safety**, June 23, 2016

#### **Time trend in incidence of malignant neoplasms of the central nervous system in relation to mobile phone use among young people in Japan**

Sato, Y., Kiyohara, K., Kojimahara, N. and Yamaguchi, N. (2016), Time trend in incidence of malignant neoplasms of the central nervous system in relation to mobile phone use among young people in Japan. Bioelectromagnetics. doi: 10.1002/bem.21982.

## Abstract

The aim of this study was to examine whether incidence of malignant neoplasms of the central nervous system from 1993 to 2010 has increased among young people in Japan, and whether the increase could be explained by increase in mobile phone use. Joinpoint regression analysis of incidence data was performed. Subsequently, the expected incidence rate was calculated assuming that the relative risk was 1.4 for those who used mobile phones more than 1640 h cumulatively. Annual percent change was 3.9% (95% confidence interval [CI], 1.6–6.3) for men in their 20s from 1993 to 2010, 12.3% (95% CI, 3.3–22.1) for women in their 20s from 2002 to 2010, 2.7% (95% CI, 1.3–4.1) for men in their 30s from 1993 to 2010, and 3.0% (95% CI, 1.4–4.7) for women in their 30s from 1993 to 2010. Change in incidence rates from 1993 to 2010 was 0.92 per 100,000 people for men in their 20s, 0.83 for women in their 20s, 0.89 for men in their 30s, and 0.74 for women in their 30s. Change in expected incidence rates from 1993 to 2010 was 0.08 per 100,000 people for men in their 20s, 0.03 for women in their 20s, 0.15 for men in their 30s, and 0.05 for women in their 30s. Patterns in sex-, age-, and period-specific incidence increases are inconsistent with sex-, age-, and period-specific prevalence trends, suggesting the overall incidence increase cannot be explained by heavy mobile phone use.

<http://onlinelibrary.wiley.com/doi/10.1002/bem.21982/abstract>

## Excerpts

A compact-sized mobile phone (about 250 g) was first introduced around 1990, followed by the start of digital mobile phone service in 1993. After a major price cut on initial costs and usage fees in 1994, mobile phone use began to spread throughout Japan. The number of mobile phone subscribers in Japan was 8 million in 1996, 54 million in 2000, 90 million in 2005, 115 million in 2010, and 137 million at the end of January 2014, with one or more phones per capita [Telecommunications Carriers Association Japan, 2014].

We extracted data on mobile phone usage from a cohort that we established using a nationwide Internet survey for mobile phone use .... Number of participants in this cohort was 7,550. In the present study, we used sex, date of birth, year starting mobile phone use, average number of calls per day, average duration of one call, and last reply date from this cohort.

In the present study, we assumed that relative risk of malignant neoplasms of the central nervous system was 1.4 for those who used mobile phones more than 1640 h cumulatively.

Annual percent change (APC) during the period from 1993 to 2010 did not show any significant increase or decrease among those aged 10–19 years: 1.6% (95% CI, –0.3 to 3.4) for men and 1.8% (95% CI, –0.4 to 4.0) for women. The APC for men aged 20 to 29 years showed a significant increase during the period from 1993 to 2010: 3.9% (95% CI, 1.6–6.3). For women aged 20 to 29 years, however, APC showed an increasing trend from 1993 to 1997, and a decreasing trend from 1997 to 2002, but neither trend was statistically significant. The APC for this group of women then showed a significant increasing trend from 2002 to 2010: 12.3% (95% CI, 3.3–22.1). The APC for those aged 30 to 39 years showed a statistically significant increase: 2.7% (95% CI, 1.3–4.1) for men, and 3.0% (95% CI, 1.4–4.7) for women. The incidence rate and best-fitting joinpoint regression model are shown in Figure 1. The observed incidence rate per 100,000 people in 1993 was 1.22 for men in their 20s, 0.53 for women in their 20s, 1.76 for men in their 30s, and 1.15 for women in their 30s. The estimated incidence rate per 100,000 people in 1993 was 1.00 for men in their 20s, 0.69 for women in their 20s, 1.55 for men in their 30s, and 1.12 for women in their 30s. The estimated incidence rate per 100,000 people in 2010 was 1.92 for men in their 20s, 1.52 for women in their 20s, 2.44 for men in their 30s, and 1.86 for women in their 30s. The change in incidence rates from 1993 to 2010 was 0.92 per 100,000 people for men in their 20s, 0.83 for women in their 20s, 0.89 for men in their 30s, and 0.74 for women in their 30s.

For men in their 20s, the proportion of heavy users started increasing from 1994, and reached 21.0% in 2010 ( $n = 75$ ). For women in their 20s, the proportion of heavy users started increasing from 1996, and reached 12.0% in 2010 ( $n = 97$ ). For men in their 30s, the proportion of heavy users started increasing from 1990, and

reached 24.8% in 2010 ( $n = 234$ ). For women in their 30s, the proportion of heavy users started increasing from 1999, and reached 12.3% in 2010 ( $n = 275$ ).

The expected incidence rate per 100,000 people with the relative risk of 1.4 in 2010 was 1.08 for men in their 20s, 0.72 for women in their 20s, 1.70 for men in their 30s, and 1.17 for women in their 30s. The change in expected incidence rates with the relative risk of 1.4 from 1993 to 2010 was 0.08 per 100,000 people for men in their 20s, 0.03 for women in their 20s, 0.15 for men in their 30s, and 0.05 for women in their 30s.

In our study, the incidence of malignant neoplasms of the central nervous system for 18 years from 1993 to 2010 was found to have significantly increased in both men and women in their 20s and 30s. On the other hand, the incidence rate did not show any significantly increasing trend in men and women aged 10–19 years. If this increase in incidence was caused by a certain exposure, the effect of exposure on the incidence rate should also have increased in the last 20 years among young people aged 20–39 years, especially in men. In light of an increased risk being reported for mobile phone users with cumulative call time exceeding 1640 h, this study attempted to examine whether the observed increase in the incidence rate of malignant neoplasms of the central nervous system could be explained by an increase in the proportion of heavy mobile phone users.

Proportion of heavy users was found to be consistently higher in men than women (Fig. 2b and c), and so was the incidence of malignant neoplasms of the central nervous system, with the exception of the years 1996–1997 among women who were 20–29 years old (Fig. 1b and c). Proportion of heavy users was found to be higher among men aged 30–39 years as compared to men aged 20–29 years (Fig. 2b and c), and so was the incidence rate (Fig. 1b and c). For women, the proportion of heavy users was higher since 2006 for those aged 30–39 years compared to those aged 20–29 years (Fig. 2b and c), and the incidence rate was higher for those aged 30–39 years compared to those aged 20–29 years, with an exception in 2007 (Fig. 1b and c).

The increase in incidence rate started in 1993 for both men and women in their 20s and 30s. The incidence of malignant neoplasms of the central nervous system precedes heavy mobile phone use with the cumulative call time exceeding 1640 h. This trend was remarkable in women in their 30s. The present study does not take into account the latency period between mobile phone use and the incidence of malignant neoplasms of the central nervous system. If we assume that there is a latency period of 5 years, the incidence of malignant neoplasms of the central nervous system preceded by heavy mobile phone use is more significant.

Three major limitations of this study should be mentioned with regard to the analyzed data. First, national estimates of incidence rate, on which the present study relied, are based on regional cancer registries because a nationwide population-based registration system has yet to be established in Japan.

Second, mobile phone usage was obtained from a cohort that was created on the Internet by sending a survey to schools throughout Japan. Therefore, mobile phone usage in the cohort is considered to differ from that in the general population.

Third, the cumulative call time used in this study was calculated from the average talk time and the use period. Change in talk time over the entire period was not investigated. Cumulative call time in the present study shows a rough trend and does not reflect real usage accurately. This is another drawback of the present study.

The incidence rate of malignant neoplasms of the central nervous system has increased significantly in men and women aged 20–29 years and 30–39 years from 1993 to 2010 in Japan. However, patterns in sex-, age-, and period-specific incidence increases are inconsistent with sex-, age-, and period-specific prevalence trends, suggesting the overall incidence increase cannot be explained by heavy mobile phone use. Further epidemiological research is warranted, especially a study with a more accurate estimate of the cumulative exposure level.

## **Comprehensive personal RF-EMF exposure map and its potential use in epidemiological studies**

Gonzalez-Rubio J, Najera A, Arribas E. Comprehensive personal RF-EMF exposure map and its potential use in epidemiological studies. *Environ Res.* 2016 May 16;149:105-112. doi: 10.1016/j.envres.2016.05.010. [Epub ahead of print]

### **Abstract**

In recent years, numerous epidemiological studies, which deal with the potential effects of mobile phone antennas on health, have almost exclusively focused on their distance to mobile phone base stations. Although it is known that this is not the best approach to the problem, this situation occurs due to the numerous difficulties when determining the personal exposure to the radiofrequency electromagnetic fields (RF-EMF). However, due to the rise of personal exposimeters, the evolution of spatial statistics, the development of geographical information systems and the use of powerful software, new alternatives are available to deal with these epidemiological studies and thus overcome the aforementioned difficulties. Using these tools, this paper presents a lattice map of personal RF-EMF exposure from exterior mobile phone base stations, covering the entire 110 administrative regions in the city of Albacete (Spain). For this purpose, we used a personal exposimeter, Satimo EME Spy 140 model, performing measurements every 4s. The exposimeter was located inside the plastic basket of a bicycle, whose versatility permitted the access to all the zones of the city. Once the exposure map was prepared, its relation with the known antenna locations was studied. The 64 mobile telephone antennas of the city were also georeferenced; the randomness of both variables (exposure and antennas) was studied by means of the Moran's I test. Results showed that the distribution of the antennas follows a grouped pattern ( $p < 0.001$ ), while the distribution of the average exposure values have a random distribution ( $p = 0.618$ ).

In addition, we showed two Spearman correlation studies: the first between the average exposure values and the number of mobile telephone antennas per administrative region, and the second, also considering the antennas of the neighbouring regions. No substantial correlation was detected in either of the two cases. This study also reveals the weaknesses of the epidemiological studies, which only take into account the distance to the antennas, which would provide a new approach to the problem. By precisely knowing the resident population of each administrative region of the city, this proves to be highly useful to rely on a prepared aggregate data map based on the mean exposure values to RF-EMF in these sections. The displayed map would permit the execution of more accurate epidemiological studies, since it would be possible to compare the exposure measurements with the incidence data of a disease.

<http://www.ncbi.nlm.nih.gov/pubmed/27196609?dopt=Abstract>

## **Environmental Radiofrequency Electromagnetic Fields Exposure at Home, Mobile and Cordless Phone Use, and Sleep Problems in 7-Year-Old Children**

Huss A, van Eijsden M, Guxens M, Beekhuizen J, van Strien R, Kromhout H, Vrijkotte T, Vermeulen R. Environmental Radiofrequency Electromagnetic Fields Exposure at Home, Mobile and Cordless Phone Use, and Sleep Problems in 7-Year-Old Children. *PLoS One.* 2015 Oct 28;10(10):e0139869. doi: 10.1371/journal.pone.0139869. eCollection 2015.

### **Abstract**

**BACKGROUND:** We evaluated if exposure to RF-EMF was associated with reported quality of sleep in 2,361 children, aged 7 years.

**METHODS:** This study was embedded in the Amsterdam Born Children and their Development (ABCD) birth cohort study. When children were about five years old, school and residential exposure to RF-EMF from base stations was assessed with a geospatial model (NISMap) and from indoor sources (cordless phone/WiFi) using parental self-reports. Parents also reported their children's use of mobile or cordless phones. When children were seven years old, we evaluated sleep quality as measured with the Child Sleep Habits Questionnaire (CSHQ) filled in by parents. Of eight CSHQ subscales, we evaluated sleep onset delay, sleep duration, night awakenings, parasomnias and daytime sleepiness with logistic or negative binomial regression models, adjusting

for child's age and sex and indicators of socio-economic position of the parents. We evaluated the remaining three subscales (bedtime resistance, sleep anxiety, sleep disordered breathing) as unrelated outcomes (negative control) because these were a priori hypothesised not to be associated with RF-EMF.

**RESULTS:** Sleep onset delay, night awakenings, parasomnias and daytime sleepiness were not associated with residential exposure to RF-EMF from base stations. Sleep duration scores were associated with RF-EMF levels from base stations. Higher use mobile phones was associated with less favourable sleep duration, night awakenings and parasomnias, and also with bedtime resistance. Cordless phone use was not related to any of the sleeping scores.

**CONCLUSION:** Given the different results across the evaluated RF-EMF exposure sources and the observed association between mobile phone use and the negative control sleep scale, our study does not support the hypothesis that it is the exposure to RF-EMF that is detrimental to sleep quality in 7-year old children, but potentially other factors that are related to mobile phone usage.

### **Excerpts**

The present study assessed the effect of RF-EMF exposure at age 5 from several sources on sleep problems in children at 7 years of age. Of five evaluated sleep scores, only higher exposure levels from mobile phone base stations (>90th percentile) was associated with less favourable sleep duration and with fewer parasomnias. Exposure to indoor sources was not associated with sleep scores, except absence of the indoor sources, which was associated with one of the control sleep scales, sleep anxiety. Regarding mobile phone and cordless phone use, less favourable sleep onset delay, sleep duration and parasomnias were increased with higher levels of mobile phone use. Mobile phone usage was also associated with one of our control sleep subscales, bedtime resistance. Higher level of cordless phone use was not associated to any of our sleep scales.

In conclusion, the children exposed to higher levels of base station exposure had worse sleep scores of sleep duration but improved sleep scores of parasomnias, but we did not observe a similar effect in children exposed to RF-EMF from indoor sources. Also, we observed more sleeping problems in children that were reported to be higher users of mobile phones. This association was not present in children reported to be higher users of cordless phones. Given the differences of results across the evaluated RF-EMF exposure sources, our study does not provide support for the hypothesis that it is the exposure to environmental RF-EMF that is detrimental to sleep quality in 7-year old children, but rather other factors that are related to mobile phone usage as such. Our observation is in line with previous publications that have reported effects of electronic media use on children's sleep.

Open Access Paper: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4625083/>

### **Electromagnetic Fields Act Similarly in Plants as in Animals: Probable Activation of Calcium Channels via Their Voltage Sensor**

Martin L Pall. Electromagnetic Fields Act Similarly in Plants as in Animals: Probable Activation of Calcium Channels via Their Voltage Sensor. *Current Chemical Biology*, Volume 10 (E-pub ahead of print)

#### **Abstract**

It has been shown that low intensity microwave/lower frequency electromagnetic fields (EMFs) act in animals via activation of voltage-gated calcium channels (VGCCs) in the plasma membrane, producing excessive intracellular calcium  $[Ca^{2+}]_i$ , with excessive  $[Ca^{2+}]_i$  leading to both pathophysiological and also in some cases therapeutic effects. The pathophysiological effects are produced largely through excessive  $[Ca^{2+}]_i$  signaling including excessive nitric oxide (NO), superoxide, peroxynitrite, free radical formation and consequent oxidative stress. The activation of the VGCCs is thought to be produced via EMF impact on the VGCC voltage sensor, with the physical properties of that voltage sensor predicting that it is extraordinarily sensitive to these EMFs. It is shown here that the action of EMFs in terrestrial, multicellular (embryophyte)

plants is probably similar to the action in animals in most but not all respects, with calcium channel activation in the plasma membrane leading to excessive  $[Ca^{2+}]_i$ , leading in turn to most if not all of the biological effects. A number of studies in plants are briefly reviewed which are consistent with and supportive of such a mechanism. Plant channels most plausibly to be involved, are the so-called two pore channels (TPCs), which have a voltage sensor similar to those found in the animal VGCCs.

<http://www.eurekaselect.com/141390>

### **The effect of cell-phone radiation on rabbits: Lymphocyte enzyme-activity data**

M. V. Zakharchenko, A. V. Kovzan, N. V. Khunderyakova, T. V. Yachkula, O. V. Krukova, R. G. Khlebopros, P. M. Shvartsburd, N. I. Fedotcheva, E. G. Litvinova, M. N. Kondrashova. The effect of cell-phone radiation on rabbits: Lymphocyte enzyme-activity data. *Biophysics*. 61(1):100-104. 2016.

#### **Abstract**

The effect of a GSM 900/1800 mobile phone, which is a widespread source of electromagnetic radiation of the microwave frequency in the environment, on rabbits was studied at power densities of  $5-7 \mu W/cm^2$ . The biological effect was recorded by a sensitive method for the detection of the physiological regulation of enzyme activity inside lymphocytes in blood smears. Succinate dehydrogenase, which is the most powerful energy-supply enzyme in mitochondria, and lactate dehydrogenase, which is an enzyme of glycolysis, was measured. The lactate dehydrogenase to succinate dehydrogenase activity ratio was also calculated as an analog of the Warburg effect, which demonstrates the relationship between glycolysis and respiration. After 60 min of mobile-phone exposure each day for 11 days at a moderate dose, the emitted radiation induced a threefold increase in succinate dehydrogenase activity and a twofold decrease in lactate dehydrogenase activity. As a result, the lactate dehydrogenase/succinate dehydrogenase activity ratio falls from 15 to 5, thus indicating that respiration is predominant over glycolysis. The changes develop already after the first exposure and reach a maximum in 4 days. The predominance of respiration is usually considered as a beneficial state of an organism. However, continuous activation of respiration by mobile phone exposure may cause damage to the normal restorative processes that are supported by glycolysis during periods of rest.

<http://bit.ly/28R5TKZ>

### **Weak electromagnetic fields alter $Ca^{2+}$ handling and protect against hypoxia-mediated damage in primary newborn rat myotube cultures**

Adler D, Fixler D, Scheinowitz M, Shainberg A, Katz A. Weak electromagnetic fields alter  $Ca^{2+}$  handling and protect against hypoxia-mediated damage in primary newborn rat myotube cultures. *Pflugers Arch*. 2016 May 18. [Epub ahead of print]

#### **Abstract**

Weak electromagnetic fields (WEF) enhance  $Ca^{2+}$  entry into cells via voltage-gated  $Ca^{2+}$  channels and affect various aspects of metabolism, structure, and function. However, little information is available on the effect of WEF on skeletal muscle, which depends primarily on intracellular  $Ca^{2+}$  stores for function and metabolism.

Here, we examine the effects of 30 min exposure of rat primary myotube cultures to WEF (1.75  $\mu T$ , 16 Hz) on  $Ca^{2+}$  handling and creatine kinase (CK) release. Free myoplasmic  $Ca^{2+}$  concentration ( $[Ca^{2+}]_i$ ) was measured with the ratiometric dye indo-1. WEF did not affect basal  $[Ca^{2+}]_i$  but decreased the twitch  $[Ca^{2+}]_i$  transient in a time-dependent manner, and the twitch amplitude was decreased to  $\sim 30\%$  after 30 min. WEF completely abolished the increase in  $[Ca^{2+}]_i$  induced by potassium chloride ( $\sim 60$  mM) but had no effect on the increase induced by caffeine ( $\sim 6$  mM). Hypoxia (2 h exposure to 100 % argon) resulted in a marked loss of CK into the medium (400 % of normoxic value), as well as a rapid (within 20 min) and sustained increase in basal  $[Ca^{2+}]_i$  ( $\sim 20\%$  above baseline). However, during exposure to WEF, basal  $[Ca^{2+}]_i$  remained constant during the initial 60 min of hypoxia and, thereafter, increased to levels similar to those observed in the absence of WEF. Finally, WEF blocked about 80 % of hypoxia-mediated CK release ( $P < 0.05$ ). These data demonstrate that WEF

inhibits increases in  $[Ca^{2+}]_i$  by interfering with muscle excitation and protects against muscle damage induced by hypoxia. Thus, WEF may have therapeutic/protective effects on skeletal muscle.

<http://www.ncbi.nlm.nih.gov/pubmed/27194243?dopt=Abstract>

### **On a Possible Mechanism of the Effect of Microwave Radiation on Biological Macromolecules**

Nikiforov VN, Ivanov AV, Ivanova EK, Tamarov KP, Oksengendler BL. [On a Possible Mechanism of the Effect of Microwave Radiation on Biological Macromolecules]. *Biofizika*. 2016 Mar-Apr;61(2):255-8. [Article in Russian]

#### **Abstract**

A model describing the process of dissociation of hydrogen bonding in water clusters when irradiated by electromagnetic field in the microwave range is suggested. The model is also applicable for the case of rupture of the covalent bond of the water molecule cluster. If the energy absorption occurs at the interface of water and polymer clusters (e.g., DNA, chitosan), degradation of the polymer chain is possible.

<http://www.ncbi.nlm.nih.gov/pubmed/27192826?dopt=Abstract>

### **Memory loss risk assessment for the students nearby high-voltage power lines-a case study**

Ghadamgahi M, Monazzam MR, Hosseini M. Memory loss risk assessment for the students nearby high-voltage power lines-a case study. *Environ Monit Assess*. 2016 Jun;188(6):355. doi: 10.1007/s10661-016-5358-4. Epub 2016 May 18.

#### **Abstract**

With increasing sources of alternating current electromagnetic fields (EMFs) in everyday life, their possible harmful effects on human health are a main area of concern in many countries. Given that children are the most valuable assets of each country, it is of utmost importance to study the effect(s) of EMF exposure on various health aspects of members within this age group. The present research is the first systematic study of the effects of exposure to electric substations on the memory status of male students in the age group of 10 to 12 years. The flux density values of extremely low frequency magnetic field were measured at four elementary schools in Tehran in accordance with IEEE std 644-1994. The device was 3-axis (X, Y, and Z) Gauss Meter, model: TES-1394. The students from two schools nearby a high voltage electricity substation (at distances of 30 and 50 m) were selected as the exposed group, and the students of two other schools at further distances of 1390 and 610 m were considered as the control group. To determine the status of working memory in the students, the questionnaire was adapted from Wechsler Intelligence Scale for Children (WISC-IV). The completed questionnaires were analyzed by t test and chi-square using SPSS 20. The average magnetic flux density was 0.245  $\mu$ T at case schools and 0.164  $\mu$ T at control schools,  $P < 0.01$ . The demographic characteristics of the students in the two groups were not statistically different. However, the difference in working memory was significant at the level of 5 %. The results of the questionnaire data showed that students in the control group had better working memory compared to students in case group. The findings revealed a reverse correlation between magnetic flux density and working memory of students ( $R = -0.255$ ). It is concluded that extremely low frequency magnetic field exposure may have a negative impact on the working memory of children, but further studies are necessary to reach a definitive conclusion.

<http://www.ncbi.nlm.nih.gov/pubmed/27194231?dopt=Abstract>

### **Association between Exposure to Smartphones and Ocular Health in Adolescents**

Kim J, Hwang Y, Kang S, Kim M, Kim TS, Kim J, Seo J, Ahn H, Yoon S, Yun JP, Lee YL, Ham H, Yu HG, Park SK. Association between Exposure to Smartphones and Ocular Health in Adolescents. *Ophthalmic Epidemiol*. 2016 Jun 2:1-8. [Epub ahead of print]

## **Abstract**

**PURPOSE:** Smartphone use has dramatically increased in recent years. Smartphones may have adverse health effects, particularly on the eyes, because users stare at the screen for a much longer time than they do with ordinary mobile phones. The objective of this study was to elucidate the relationship between smartphone use and ocular symptoms among adolescents.

**METHODS:** Information on smartphone use and ocular symptoms (blurring, redness, visual disturbance, secretion, inflammation, lacrimation and dryness) related to eye fatigue and strain from 715 adolescent subjects from three cities in Korea was obtained using a structured questionnaire. Ocular health was scored using number of ocular symptoms. Odds ratios (ORs), 95% confidence intervals (95% CIs) and p-values for ocular symptoms were calculated with binomial and multinomial logistic regression models.

**RESULTS:** Higher prevalence rates for ocular symptoms were observed in groups with greater exposure to smartphones ( $p < 0.05$ ). Longer daily smartphone use was associated with a higher likelihood of having multiple ocular symptoms (5-7 symptoms out of 7 symptoms;  $p = 0.005$ ). Excessive/intermittent use ( $>2$  hours daily and  $\leq 2$  hours continuously) and excessive/persistent use ( $>2$  hours daily and  $>2$  hours continuously) compared to shorter use ( $<2$  hours daily) were associated with multiple ocular symptoms (OR 2.18, 95% CI 1.09-4.39; OR 2.26, 95% CI 1.11-4.57, respectively). A higher lifetime exposure to smartphones was associated with a higher likelihood of having multiple ocular symptoms (OR 3.05, 95% CI 1.51-6.19;  $p = 0.001$ ).

**CONCLUSION:** Increasing exposure to smartphones can have a negative impact on ocular health in adolescents.

<http://www.ncbi.nlm.nih.gov/pubmed/27254040?dopt=Abstract>

**Also see:**

**STORYLINE vs. REST-OF-THE-STORY: Brain cancer incidence, cellphone use, and trends data**

**National Toxicology Program Finds Cell Phone Radiation Causes Cancer**

**SPIN vs FACT: National Toxicology Program report on cancer risk from cellphone radiation**

**National Toxicology Program: Not the First Government Study to Find Wireless Radiation Can Cause Cancer in Lab Rats**

Joel M. Moskowitz, Ph.D., Director  
Center for Family and Community Health  
School of Public Health  
University of California, Berkeley

## **Electromagnetic Radiation Safety**

Website: <http://www.saferemr.com>  
Facebook: <http://www.facebook.com/SaferEMR>  
News Releases: <http://pressroom.prlog.org/jmm716/>  
Twitter: @berkeleyprc

**From:** Angela < @gmail.com>

**To:**

**Sent:** Friday, June 24, 2016 7:25 PM

**Subject:** Fwd: WEEP News / Facts on the NTP Study / Setting the record straight / Credibility to Concerns About Cell Phone Hazards / Connection: RF-EMF and Alzheimer's? / "Smart meters 'not needed' / etc.

**WEEP News / Facts on the NTP Study / Setting the record straight / Credibility to Concerns About Cell Phone Hazards / Connection: RF-EMF and Alzheimer's? / "Smart meters 'not needed' / etc**

Hi - please see very informative newsletter from Martin below

**From:** Martin

**Date:** Thu, Jun 23, 2016 at 1:32 PM

**Subject:** WEEP News / Facts on the NTP Study / Setting the record straight / Credibility to Concerns About Cell Phone Hazards / Connection: RF-EMF and Alzheimer's? / "Smart meters 'not needed' / etc.

**To:** WEEP News < @rogers.com>

## **W.E.E.P. EMF News**

**The Canadian initiative to stop Wireless Electrical and Electromagnetic Pollution**

**23 June 2016**

### **Get the Facts on the NTP Study**

<http://blog.oup.com/2016/06/cancer-from-cell-phone-radiation-ntp-report/>

<http://ehtrust.org/>

### **Setting the record straight on the NTP cell phone cancer study**

***Ron Melnick Corrects 'Misinformation' in the NY Times***

On May 31, the New York Times ran a piece in what it calls "The Upshot" on the National Toxicology Program's (NTP) cell phone animal study. The column is a regular feature in the Times that seeks to give readers context for stories in the news. This one was titled "Why It's Not Time to Panic About Cell Phones and Cancer." It was written by Aaron Carroll, a pediatrician at the University of Indiana School of Medicine. He expressed skepticism about the study results, calling the effort "imperfect."

Carroll's critique prompted a response from Ron Melnick, who led the study's design team before retiring from the NTP. In an eight-point rebuttal, Melnick corrected what he called "numerous and misleading statements."

<http://microwavenews.com/news-center/ntp-nyt>

### **Latest Radio Frequency Study Adds Credibility to Concerns About Cell Phone Hazards**

Dr Mercola: This large animal study supports the growing body of science showing an association between cell phone radiation and brain tumors

[http://articles.mercola.com/sites/articles/archive/2016/06/15/cell-phone-radiation-effects.aspx?utm\\_source=dnl&utm\\_medium=email&utm\\_content=art1&utm\\_campaign=20160615Z1&et\\_cid=DM108141&et\\_rid=1530909771](http://articles.mercola.com/sites/articles/archive/2016/06/15/cell-phone-radiation-effects.aspx?utm_source=dnl&utm_medium=email&utm_content=art1&utm_campaign=20160615Z1&et_cid=DM108141&et_rid=1530909771)

### **BioEM2016: The NTP study**

This conclusion strengthens the call for the implementation of the Precautionary Principle in the area of cell phones and human health risk. It seems that the human health risk might not only be possible, but it might rather be probable, in language of the IARC cell phone radiation could be upgraded from group 2B to group 2A.

Hazards of Toxic Cell Phones, Wireless Devices, Etc – Book One 200

August 17, 2016

## **Could there be a connection: RF-EMF and Alzheimer's?**

Just published study by Kumar et al. "Amyloid- $\beta$  peptide protects against microbial infection in mouse and worm models of Alzheimer's disease." in the *Science Translational Medicine* proposes a new explanation for the Alzheimer's disease. The authors suggest that the disease would be a defensive mechanism against the bacteria and viruses invading the brain. Of course, as every scientific study, **also this one has its critics.**

**The link between Alzheimer's and RF-EMF exposure might be an indirect one.**

The RF-EMF has been shown, in some animal studies, to [increase permeability of the blood-brain barrier but others did not find such effect.](#) One possible mechanism of the RF-EMF effect of increasing permeability of the BBB could be the activation of cellular stress response in endothelial cells being part of the blood-brain barrier.

<https://betweenrockandhardplace.wordpress.com/2016/06/16/could-there-be-a-connection-rf-emf-and-alzheimers/>

## **"Smart meters 'not needed' after all for European power grid" - say power industry reps**

There are other more efficient ways than smart meters to help develop intelligent power grids, said industry delegates at the annual convention of Europe's electricity association Eurelectric, held in Vilnius last week.

Markus Merkel, a senior advisor to the management board of German distribution system operator (DSO) EWE, told the Eurelectric conference that "there isn't a positive business case" for smart meters in Germany. <http://www.euractiv.com/section/energy/news/smart-meters-not-needed-after-all-for-european-power-grid/>  
Henrik

## **Supreme Court of Canada in [Rogers v. Châteauguay](#)**

### **Federal government retains exclusive control over radio-communications**

<http://www.canadianlawyermag.com/legalfeeds/3307/cities-have-no-say-on-location-of-cellphone-towers-scc.html>

Comment to this story:

### **The Supreme Court has made a very significant error!**

Just as they are not allowed to kill and harm criminals that commit horrendous crimes, the Court cannot cause or allow harm and death to occur to innocent citizens trying to live a good and honest life in their homes in Châteauguay and other jurisdictions.

There is overwhelming evidence that microwave radiation being emitted from cell phone towers is biologically harmful which can lead to cancers, immune problems, neurological harm and many illnesses that can lead to early death to those exposed. That evidence can be accessed at <http://www.bioinitiative.org/table-of-contents/>

The Supreme Court have an obligation to put the rights and the safety of Canadian citizens before the greed of large corporations, who ignore the scientific evidence that their profit making wireless antennas cause.

Whatever happened to good old fashioned honest lawyers who would have fought against wireless harm that is occurring to all Canadians?

Martin

Further report:

## **Canada top court rules Quebec city cannot block cell tower**

<http://ca.reuters.com/article/domesticNews/idCAKCN0Z21UI>

## **Dr. Magda Havas comments on the Supreme Court Decision**

We need more appropriate **guidelines** and adequate **buffer zones** especially near schools, hospitals, and in residential areas. The problem is not with the Supreme Court ruling but rather with the two federal agencies (Health Canada and Industry Canada) that are failing to do their job.

<http://www.magdahavas.com/rogers-vs-chateauguay-canadian-supreme-court-rules-that-cities-cannot-block-location-of-cell-towers/>

## **Spy town for sale: Slightly used, move-in ready, no cellphones allowed**

Nestled on the western edge of a national forest, Sugar Grove Station, W.V. is a 0.5 square-kilometre property with 80 single-family homes, a dorm with 53 suites and a number of functional municipal buildings, including a fire station, a youth activity centre and a public works building. The U.S. government's public auction site says the town is "ideal for a corporate training centre, a university or academic campus, a spa/clinic, movie studio, or mountain resort."

<http://www.ctvnews.ca/lifestyle/spy-town-for-sale-slightly-used-move-in-ready-no-cellphones-allowed-1.2936862>

[https://www.washingtonpost.com/local/trafficandcommuting/fed-up-with-high-dc-housing-costs-1m-will-buy-you-an-entire-w-virginia-town/2016/05/21/dfd4241e-16ce-11e6-aa55-670cabef46e0\\_story.html](https://www.washingtonpost.com/local/trafficandcommuting/fed-up-with-high-dc-housing-costs-1m-will-buy-you-an-entire-w-virginia-town/2016/05/21/dfd4241e-16ce-11e6-aa55-670cabef46e0_story.html)

[http://www.bizjournals.com/washington/breaking\\_ground/2016/02/got-1-million-the-gsa-is-selling-a-town-three.html](http://www.bizjournals.com/washington/breaking_ground/2016/02/got-1-million-the-gsa-is-selling-a-town-three.html)

<https://realestatesales.gov/gsauctions/aucdsclnk?sl=PEACH416004001>

This would make a great EHS refuge and resort.

## **Major Cell Phone Radiation Study Reignites Cancer Questions**

This is a classic study that is done for trying to understand cancers in humans," says Christopher Portier, a retired head of the NTP who helped launch the study and still sometimes works for the federal government as a consultant scientist. "There will have to be a lot of work after this to assess if it causes problems in humans, but the fact that you can do it in rats will be a big issue. It actually has me concerned, and I'm an expert."

<http://www.scientificamerican.com/article/major-cell-phone-radiation-study-reignites-cancer-questions/>

## **Hydro-Québec Replaces Defective Meters Prone To Bursting**

Spokesperson Marc-Antoine Pouliot said 22 of them either burst into pieces or flew off the wall over the span of about a decade. The piece that is supposed to protect the meter from power surges can cause it to short circuit, Pouliot said.

<http://www.cbc.ca/news/canada/montreal/hydro-quebec-meters-1.3602880>

## **Radiofrequency Electromagnetic Radiation and the Health of Canadians**

<http://www.parl.gc.ca/HousePublications/Publication.aspx?Language=E&Mode=1&Parl=42&Ses=1&DocId=8371210>

Mr. Bill Casey (Cumberland—Colchester, Lib.):

Mr. Speaker, I have the honour to present, in both official languages, the following reports from the Standing Committee on Health from the 41st Parliament.

The first report is entitled, "Vaping: Toward a Regulatory Framework for E-cigarettes" and the second report is entitled, "**Radiofrequency Electromagnetic Radiation and the Health of Canadians**". Pursuant to Standing Order 109, the committee requests that the government table a response to each of these reports.

Again, these are from the 41st Parliament and I want to congratulate the members for the work done in the last Parliament  
Frank Clegg  
C4ST

## **Canadian Teacher, Forced out by Wi-Fi**

<http://www.odwyerpr.com/story/public/6667/2016-04-07/canadian-teacher-forced-out-by-wi-fi-goes-warpath.html>

## **Joel Dean - Electrosensitive Man**

[https://www.youtube.com/watch?v=9Zdy-PX-kN8&list=PLHjv9zAYGJdm5ti2i44a\\_ahwq35lwm8rl&index=](https://www.youtube.com/watch?v=9Zdy-PX-kN8&list=PLHjv9zAYGJdm5ti2i44a_ahwq35lwm8rl&index=)

## **WiseOnes founder tells smart students in Victorian schools to avoid Wi-Fi**

<http://www.dailymail.co.uk/news/article-3652025/WiseOnes-founder-tells-smart-students-Victorian-schools-avoid-WiFi-radiation.html>

## **Banning computers makes students do better on exams – MIT**

[http://www.theregister.co.uk/2016/05/12/mit\\_study\\_finds\\_students\\_assisted\\_by\\_computers\\_do\\_worse\\_in\\_exams/](http://www.theregister.co.uk/2016/05/12/mit_study_finds_students_assisted_by_computers_do_worse_in_exams/)

## **Students, Computers & Learning**

Organisation for Economic Co-operation and Development

Whole Study Link

<http://www.oecd.org/publications/students-computers-and-learning-9789264239555-en.htm>

Performance Section

[http://www.oecd-](http://www.oecd-ilibrary.org/docserver/download/9815021ec009.pdf?expires=1451685572&id=id&accname=guest&checksum=1430A66C3AAE1347538390BC3502B20D)

[ilibrary.org/docserver/download/9815021ec009.pdf?expires=1451685572&id=id&accname=guest&checksum=1430A66C3AAE1347538390BC3502B20D](http://www.oecd-ilibrary.org/docserver/download/9815021ec009.pdf?expires=1451685572&id=id&accname=guest&checksum=1430A66C3AAE1347538390BC3502B20D)

What the data tells us

- **Resources invested in ICT for education are not linked to improved student achievement in reading, mathematics or science.**
- **In countries where it is less common for students to use the Internet at school for schoolwork, students' performance in reading improved more rapidly than in countries where such use is more common, on average.**
- Overall, the **relationship between computer use at school and performance** is graphically illustrated by a hill shape, which suggests that limited use of computers at school may be better than no use at all, **but levels of computer use above the current OECD average are associated with significantly poorer results.**

David

# **EMF Educator Banned From National PTA Convention**

Letter in reply to the ban:

<https://drive.google.com/file/d/0B8Oub2Nx5eSLdTBLyU8wbmZoN28/view?pref=2&pli=1>

June 20, 2016

Nathan R. Monell, CAE,  
Executive Director, P.T.A.

Dear Mr. Monell;

I read your letter and am somewhat stunned at your position. I was not aware of the actions of Mr. Mottus. He lives in L.A., and I am in Portland, OR. Given your fear about disruption, it is not necessary that he come to the conference.

It was my intent to distribute paper materials that have already been delivered to the convention site, informing educators and others of the biological effects of wireless devices in schools and what is happening internationally as more scientists, educators, agencies and organizations become aware of the potentially devastating short and long term medical problems caused by chronic, pulsed microwave exposure. Your position that opposition to wireless devices in schools is a "danger to children" is utterly unsupportable. In fact, the hardcore, forefront science confirms that opposition to wireless is morally, ethically and **legally necessary**. **The position of Wireless Education Action and our agenda was never a secret.** Jennifer Bradley, National PTA | Corporate Alliances Specialist, was informed in detail with regard to the educational service we have intended to provide at the conference. Thus, your sudden, untimely objection to our *agenda* is unwarranted. Moreover, you have not provided any defense of your decision to lock me and the agenda out of the conference. **I have numerous emails to and from Ms. Bradley detailing our mission** and have incurred considerable expense in relation to the convention that cannot be retrieved so I expect to be reimbursed for the cost of my plane ticket which was **\$465 and is unrefundable**.

Our position on wireless devices in schools is informed by **thousands of scientific studies**, the latest of which, a definitive study that has already modified the positions of other US health and environmental agencies, was just completed last month by the **US National Toxicology Program** and is referenced below with a quote from the **American Cancer Society** just last month.

Additionally years ago, Norbert Hankin of the Environmental Protection Agency was quoted in a letter saying **FCC standards do not protect against long-term chronic exposure!** (I suggest you read the entire document linked here)

It is extremely dangerous and potentially **legally liable** to adopt an uninformed position, when the safety of children is in question. Considering your influential position with the PTA, you are obligated to become informed of all matters of safety even if it challenges your beliefs. **It is mandated throughout your mission statement.** To ignore data or misinform parents and educators by omission has the potential to cause harm. Since microwave devices **including Wi-Fi routers** are categorized in the **highest emerging risk category** by Swiss Re, an insurance risk management company, the telecommunications industry can **no longer get coverage for liability insurance**. Liability will fall on school boards, administrators and organizations that have been informed of the risk but choose not to inform the public.

Personal opinions should never dictate policy that is solely informed by corporate salespeople, software and hardware companies and stakeholders whose lobbying efforts and advertising budgets determine the flow and content of information.

It is the **high duty** of PTA officials, school boards, administrators and others in related organizations and agencies to be completely informed so as to do no harm to children that are under your jurisdiction. **No telecommunication corporation or representatives thereof have ever made the claim that wi-fi and other wireless devices used in schools are safe.** Do you feel comfortable with that? **Wireless devices were never pre-market safety tested.**

There have been numerous examples of environmental toxins that were considered safe until policy caught up with science. Tobacco, asbestos, plastics, pesticides (they used to spray DDT on school children to prove its safety), thalidomide, artificial sweeteners and fructose to name just a few. Now we have children exposed to microwave radiation for 7 hours each day for 14+ years. There are at least a **dozen studies** that confirm 4 hours on a lap top can cause damage to men's sperm as well as damage to DNA.

As part of my work as an advocate, I recently ran for city council in Portland OR as a single issue candidate. My platform was advocating for the replacement of wireless internet connections with wired connections and getting cell towers off of school grounds. Endorsing my campaign were; Dr. Devra Davis the **Nobel Prize** winning founder of the Environmental Health Trust, and a staunch advocate of getting microwave devices out of schools; Professor Barrie Trower, former **microwave weapons specialist** for the British MI5; Frank Clegg, former CEO of **Microsoft Canada**; Ellie Marks, President -- **California Brain Tumor Association** and Lloyd Morgan, **Senior Research Scientist** for E.H.T. As a result of my candidacy I have been invited to present before the Portland City Council regarding the issue of wireless in schools. The incumbent I was running against, Amanda Fritz, a Cambridge educated psychiatric nurse, understands the risk after being informed during the campaign. I have also been working closely with our **State Representative**, Alissa Keny Guyer who invited a world renowned scientist, Dr. Martin Pall and a medical doctor, Dr. Paul Dart to give a half-hour presentation before the Health Committee of the State House regarding the imminent public health emergency facing the most vulnerable – children and pregnant women. **Dr. Martin Pall & Dr. Paul Dart Address the Health Committee of the Oregon State Legislature on the Dangers of Exposure to Microwaves from Wireless Technology and Wi Fi in Schools Feb. 24, 2014**

As a result of that meeting Rep. Keny-Guyer introduced **House Bill 3350** which would require that parents and teachers be informed of the fact that **Classroom environments are a Class 2B Carcinogen** as so designated by the **World Health Organization** in 2011. Schools teach about tobacco, drugs, alcohol and safe sex but do not inform children and their parents of the many potentially devastating health effects of microwave radiation from cell phones and other wireless devices. **Wi-Fi Utilizes the Most Lethal Microwave Frequencies 0.95 and 2.45 GHz —Dr. Magda Havas, BSc, PhD**

The resistance among educators and bureaucrats is potentially harmful for students as they should be learning, in health classes, about the hazards of wireless devices and how to use them more safely since that is the world they are growing up in. The 'debate' on safety, prolonged by industry propaganda (similar to that used by the tobacco industry many years ago), **is now over** as referenced in the statement by the **American Cancer Society** below. In other words, there is no longer a debate as to whether microwave emitting devices are potentially harmful as science now confirms that they are. Prior to the current study, the W.H.O. classified microwave radiation from all wireless devices as a Class 2B Carcinogen.

Your position statement (below) that advocating for the removal of wireless devices is contrary to the PTA mission can easily be challenged and cannot possibly be sustained by any science. It also conflicts with statements to the contrary by statewide PTA organizations (see other PTA statements re: wireless below).

**Your statement:** "*The National PTA has determined that Wireless Education Action's positions that wireless classrooms are a danger to children, that the government is covering it up, that schools are microwave radiating children without real safety standards, and that wireless systems should be banned from schools and other locations where children are exposed to them, are not consistent with National PTA's mission, position statements, resolutions or policies.*"

-- (Please see numerous PTA, and other **organization and agency policy** statements supporting our position at the end of this letter below).

There are not only many thousands of peer reviewed scientific studies that show biological harm but hundreds that show psychological problems caused by excessive screen use causing device addiction and changes in brain function as well as disruption to the learning process. **Smart phones and iPads are changing the way our brains work and erasing our memory. The Mirror.**

Our children are mere pawns in this vast corporate feeding frenzy that is being enabled by those willfully ignorant and afraid to look beyond the crucible of corporate culture. Standing up for the safety of our children and their genetic integrity might be a logistical nightmare and an *inconvenient truth* but should be the first priority of any and all organizations advocating for the health and safety of children – especially in school. The PTA has an obligation to students, parents, teachers and school staff to become informed on the challenges of wireless technology and update its members:

**Best Practices With Wireless Radiation for Schools: A Review of Global Advisories — Environmental Health Trust**

**HARVARD DR. WARNS AGAINST WI-FI IN SCHOOLS Feb. 8th Letter to L.A. Unified School District**

**2001 California State PTA Resolution On Wireless Equipment/Cellular Phones and Antennas**

**New York PTA Calls For Wi-Fi To Be Turned Off: Major Wi-Fi Controversy as School District is Served With Legal Liability Notice Tuesday, April 5, 2016**

**Otis Brawley; American Cancer Society Statement on NTP Study, “Good Science... Marks a Paradigm Shift in Our Understanding of Radiation and Cancer Risk.”**

**City of Haifa, Israel Removes Wi-Fi From Schools Siting Health Reasons! April, 2016**

**A Message to Public Schools and Public Libraries About Wireless Devices Posted on August 21, 2015 Ronald M. Powell, PhD.**

**Dr. Anthony Miller, World Health Organization Expert to MCPS Warns: “Wi-Fi networks in schools and cell towers on your school grounds could significantly increase the cancer risk in your community,” warns Read Dr. Martha Herberts Letter Read Dr. Anthony Miller’s Letter Read Dr. Lennart Hardells Letter. Read Dr. Carpenters Letter Read Dr. Olle Johanssons Letter HERE. Read Cris Rowan, occupational therapist Letter Here Read Katie Singers Letter HERE. Read Cindy Sage and Trevor Marshals Letter Here Read Ellie Marks Letter Here Read Arthur Firstenberg’s Letter HERE. Read Mikko Ahonen PhD, Lena Hedendahl MD and Tarmo Koppel MSc PhDs Letter**

**Thank you for your attention to this important issue.**

**Sincerely,**

**David Morrison /  
Wireless Education Action  
<http://www.wirelesseducationaction.org>**

**Letter in support of David Morrison:**

**To:** klester@pta.org; lmccline@pta.org; ltonney@pta.org; kkirchoff@pta.org; nmonell@pta.org; dian@dischaffhauser.com; CLG\_News <clg\_news@legitgov.org>; ptairwatchers@mailhaven.com; ptawdirector@zoho.com; PTA Convention Registrar <pta@showcare.com>; 2016 National PTA Conference & Convention <leads@showcare.com>; 2016 National PTA Convention and Expo Manager <exhibits@pta.org>; ptamemb@irvingtonschool.com; pta@alamedaschool.org; ptapres@irvingtonschool.com; ptanews@irvingtonschool.com; ptatreas@irvingtonschool.com; ptasec@irvingtonschool.com; Portland Council PTA <pta@clothingcenter@comcast.net>; Oregon PTA <office@oregonpta.org>; Gina Salmons <gsalmons@pta.org>; Portland Council PTA <president@portlandcouncilpta.org>; Jennifer Bradley <jbradley@pta.org>; david morrison <wirelesswatch@yahoo.com>

**Sent:** Wednesday, June 22, 2016 9:37 AM

**Subject:** Participation in National PTA Convention

**Participation in National PTA Convention**

Hi David,

I applaud you for your efforts to raise awareness about the well-researched dangers of wireless radiation in schools. The harm being done today by exposing children to powerful microwave radiation is likely to cause them long-term health problems for the rest of their lives and cause early death for many. A list of those diseases and illnesses that may be expected is here: <http://www.bioinitiative.org/table-of-contents/> .

I find it disgusting that the National PTA would deny you the right to educate convention participants about the dangers their children face from wireless radiation and deny convention participants the opportunity to learn about the most dangerous situation that children have ever faced while attending school. The huge increase in mental health problems, depression and suicide amongst children has only occurred since they have been exposed to strong wireless radiation in their schools and homes etc.

The National PTA lists Amazon Kindle as a National Sponsor  
<http://www.pta.org/about/content.cfm?ItemNumber=3019&navItemNumber=555> .

The Kindle is a device that needs Wi-Fi or 3g wireless, as a means of connectivity (fully wireless and doesn't require a computer to download content) [https://www.amazon.ca/gp/product/B0186FET66/ref=fs\\_ea](https://www.amazon.ca/gp/product/B0186FET66/ref=fs_ea) .

This surely is a serious conflict of interest for the National PTA, as over sixty years of scientific evidence clearly shows serious biological effects are caused by exposure to microwave radiation. This partnership with a company that has a commercial interest in wireless devices, appears to put sales and profit over health and safety of children. It also seems to have tainted their thought and consideration process. They should reconsider their stance and place the health and safety of children first.

If the National PTA had any concern about the health and safety of children, not only would they allow you space at their convention, but they would not charge you any fee for your kind and excellent efforts to protect the young. They also have a responsibility to provide leadership and education to their membership on this critically important subject. It is such an important subject for children and parents that it should be the top agenda item at the convention.

Sincerely

Martin  
Co Director WEEP  
[www.weepinitiative.org](http://www.weepinitiative.org)

**Further letter of support:**

Dear National PTA Executive Director Nathan Monell,

I am very concerned to read your letter stating that that the National PTA has made a determination on the issue of the health risk of wireless radiation to children. You state you are barring a health advocacy organization from sharing information at a table at the National PTA Conference in Florida because you determined the issue (educating on classroom technology and school cell tower health and safety issues) is not in alignment with the PTA's mission?

I did not realize that the issue was ever evaluated in a systematic way by the National PTA. Was there a vote?

It is my understanding that *some* PTAs are, in fact, asking for the schools to be hardwired in order to be prudent, and protect the children from this 'possible carcinogen'. Please note that Onteora Elementary School PTA has sent letters to their school district calling for the removal of wireless. You can access that information here. [Other PTA's are halting plans for cell towers to be placed on their schools](#). In light of the scientific uncertainty, this certainly makes sense.

I am a member of the PTA in Montgomery County, Maryland. As a social worker I worked for years in the school system directing an intensive therapy program in special education and am now at an ADHD clinic. I also have two school-aged daughters so this is a personal and professional issue for me because it affects my clients' well-being, as well as my family.

What information did the National PTA review to determine that health concerns are not consistent with the National PTA's mission? As far as I know there has been no dialogue on this. When was it brought to the table? Was there a vote?

The American Academy of Pediatrics has stated that children are more vulnerable to this radiation. Please see the letter they wrote in 2012 to Congress and in 2013 to the FCC.

I got involved in this issue after I consulted a top pediatrician in regards to my daughter's health who specifically told me to reduce exposure. It was his words that helped me understand that credible evidence existed. His name is Dr. Jerome Paulson. At the time he was Chair of the Environmental Health Committee of the American Academy of Pediatrics and Director of the Mid-Atlantic Center for Children's Health & the Environment. He told me "It seems prudent to limit children's exposure to cell phone radiation through the use of hand's free devices and by texting" when I asked about cell phones and children's health. Please see him quoted on this issue in this Time article ["Pediatricians Say Cell Phone Radiation Standards Need Another Look."](#)

Wireless, of course, exposes children to the same type of radiation (radio-frequency) but at full body exposure and more directly to reproductive organs. In classes in our district, children are told to place laptops on their laps in classrooms and children are on laptops in almost every class in some schools. I attached some scientific images that show how deeply the radiation is absorbed into children from a tablet and laptop.

I understand that at first glance this issue seems incomprehensible. But once you take time to read the information from credible sources (not industry funded science) you understand that this radiation is absorbed more deeply into children's brains and bodies as stated by the International Agency for the Research on Cancer. I do not believe in conspiracy theories, but I certainly understand how the tobacco companies and the lead paint industry have protected their product. Harvard Press just published a book on this very issue and talks about wireless networks in schools specifically.

Scientists who have worked for the wireless companies are stating that the companies they used to work for are protecting their products. I hope you will consider hearing from scientists like George Carlo who was hired to lead a 25-million dollar program in the 90's on radio-frequency radiation and of course Dr. Franz Adlkofer, former Executive Director of the VERUM Foundation for Behavior and Environment to discuss his research showing radiofrequency (wireless) radiation damaged human cells who spoke at Harvard about his research recently.

I have attached two documents for you to review. One is written by Dr. Cindy Russell of the Santa Clara Medical Association and the other is a list of what other countries are doing in regards to the health risks posed by this radiation. Over a dozen countries are calling for reduced exposure to children.

I also hope that you will take time to understand the important results of the new study by the NIH National Toxicology Program that confirms that the safety limits we have in place are not protective. A very informative Q and A can be found at the Environmental Health Trust website. Dr. Paulson sent me to this site [ehtrust.org](http://ehtrust.org) when I asked him his opinion on radio-frequency radiation and children's health four years ago.

I was so thankful to hear that this issue was going to be shared at the National PTA Conference and I am deeply troubled to hear that Mr. Morrison and fellow Oregon parents at Wireless Education Action are not being allowed to share such important information. Most PTA's and most parents are unaware of the issue and it would serve them to learn more so they can make informed opinions.

I would also add that I am concerned about the risk to pregnant staff and students as the Chief of Obstetrics at Yale, Dr. Hugh Taylor, is recommending pregnant women reduce exposure to wireless and cell phone radiation. See the recommendations of the BabySafe Project signed onto by Dr. Taylor and 100 physicians here. This makes sense as pregnant women are perhaps the most vulnerable. Dr. Taylor's own research showed brain damage (poor memory and increased hyperactivity) from exposures. This was presented at the Pediatric Academic Societies Conference a few months ago and I attended the Symposium at the Baltimore Convention Center. See the press conference here that has slides of the presentations by Harvard and Yale doctors.

I am very much in support of technology in the classroom but would advocate for wired computers. This is the simple, practical solution and eliminates the children and staff's exposure to radio frequency radiation. I think the PTA could best serve the community by opening up a dialogue on this so that parents and teachers can have all the facts.

I am aware that last year Dr. Devra Davis wrote you a letter about this issue but was not aware of a response?

Please let me know *when* the National PTA reviewed this issue and *what* materials were reviewed and how the current opinion was determined. Was there a vote on this issue and I somehow missed it?

Thank you so much,  
Theodora Scarato LCSW-C

Please see the letter that the National PTA sent to Mr. Morrisson that I am referring to at this link.

## **Development and evaluation of an electromagnetic hypersensitivity questionnaire for Japanese people.**

Bioelectromagnetics. 2016 Jun 21. doi: 10.1002/bem.21987. [Epub ahead of print]

### **Abstract**

The purpose of the present study was to evaluate the validity and reliability of a Japanese version of an electromagnetic hypersensitivity (EHS) questionnaire, originally developed by Eltiti et al. in the United Kingdom. Using this Japanese EHS questionnaire, surveys were conducted on 1306 controls and 127 self-selected EHS subjects in Japan. Principal component analysis of controls revealed eight principal symptom groups, namely, nervous, skin-related, head-related, auditory and vestibular, musculoskeletal, allergy-related, sensory, and heart/chest-related. The reliability of the Japanese EHS questionnaire was confirmed by high-to-moderate intraclass correlation coefficients in a test-retest analysis, and high Cronbach's  $\alpha$  coefficients (0.853-0.953) from each subscale. A comparison of scores of each subscale between self-selected EHS subjects and age- and sex-matched controls using bivariate logistic regression analysis, Mann-Whitney U- and  $\chi^2$  tests, verified the validity of the questionnaire. This study demonstrated that the Japanese EHS questionnaire is reliable and valid, and can be used for surveillance of EHS individuals in Japan. Furthermore, based on multiple logistic regression and receiver operating characteristic analyses, we propose specific preliminary criteria for screening EHS individuals in Japan. Bioelectromagnetics. © 2016 The Authors. Bioelectromagnetics Published by Wiley Periodicals, Inc.

Full text free download: <http://onlinelibrary.wiley.com/doi/10.1002/bem.21987/pdf>

***I noticed they even suggest that 60 of the control subjects ought to "visit a qualified medical specialist":***

Furthermore, 60 subjects from the controls (1,306 respondents out of 2,000) also met with these preliminary screening criteria, suggesting that 3.0–4.6% of the general public in Japan may be EHS individuals, even though none are currently diagnosed with SHS or MCS /EHS. In addition, significant differences were not observed in all scores between 60 subjects from the control group and self-selected EHS subjects (data not shown).

Based on the fact that only 1% of the population of Japan is aware of EHS, determined by a preliminary survey [Hojo and Tokiya, 2012], some of these 60 subjects may have some knowledge of EHS; however, the majority of them most probably have no knowledge of this condition. Thus, it is very important that these unsuspecting individuals, who may have developed EHS symptoms, visit a qualified medical specialist. ... Japanese self-selected EHS subjects have suffered greatly in their day-to-day life [Ito et al., 2012], making it imperative to have specialists who are familiar with EHS, as well as MCS and SHS.

Barb

## **WAKE UP: SMART METERS, WI-FI, CELL PHONE TOWERS ARE DANGEROUS**

Where is the Environmental Impact Study for Smart Meters?

<https://www.youtube.com/watch?v=4bJD7WGFEx0>

Robert

## **NTP Toxicology and Carcinogenicity Studies of Cell Phone Radiofrequency Radiation**

Michael Wyde PhD, DABT, of the National Toxicology Program (NTP) presentation on Carcinogenesis Studies of Cell Phone Radiofrequency Radiation in Hsd: Sprague Dawley® SD rats (Whole Body Exposure): Report of Partial Findings

[http://healthandenvironment.org/uploads/docs/Wyde\\_NTP\\_RFR\\_Chronic\\_Rat\\_Results\\_6-22-16.pdf](http://healthandenvironment.org/uploads/docs/Wyde_NTP_RFR_Chronic_Rat_Results_6-22-16.pdf)

Andre

## **Precautionary Strategies for Reducing Worker Exposures to ELF Magnetic Fields, a Possible Carcinogen**

Joseph D. Bowman, PhD, of the Engineering and Physical Hazards Branch at the National Institute for Occupational Safety (NIOSH) presentation on Precautionary Strategies to Reduce Worker Exposures to Extremely Low Frequency (ELF) Magnetic Fields, a Possible Carcinogen

[http://healthandenvironment.org/uploads/docs/Bowman\\_Slides.pdf](http://healthandenvironment.org/uploads/docs/Bowman_Slides.pdf)

Andre

## **American Medical Association warns of health and safety problems from 'white' LED streetlights**

<https://theconversation.com/american-medical-association-warns-of-health-and-safety-problems-from-white-led-streetlights-61191>

## **The American Medical Association's official news release:**

<http://www.ama-assn.org/ama/pub/news/news/2016/2016-06-14-community-guidance-street-lighting.page>

Barb

## **Doctors issue warning about LED streetlights**

<http://www.cnn.com/2016/06/21/health/led-streetlights-ama/index.html>

Susan

## **Good quality light bulbs needed for testing**

We now have a greater choice of energy efficient light bulbs available than ever before; however, not all of these bulbs are healthy. Some emit UV, RF, dirty electricity, high electromagnetic fields and produce a poor spectral distribution. Some you need to dispose of as 'hazardous waste' because of toxic levels of mercury. Very important for the lighting industry to get this right once and for all.

People regularly ask me about light bulbs and, sometimes, when I find a good quality light bulb, a different manufactured batch of the same style of bulb has different characteristics as though there was no quality control.

I have been testing light bulbs for several years now. However, there must be some good light bulbs out there that someone knows about.

If you think you have a good quality bulb that you would recommend please either give me the information so I can purchase it (here in Canada) or send me a bulb for testing. The bulb can be sent to Magda Havas at Trent University (address below).

Currently I am restricting the test to bulbs that have a medium screw base (like the original incandescent light bulbs) that can be used in North America with 120 V and 60 Hz AC electricity.

Ideally I would like to receive these bulbs by August 1 2016 as I am trying to complete all the research for a conference in Germany October 12-14, 2016, called the **Light Symposium, Wismar 2016**. More information about this conference is available at: <http://lightsymposium.de/2016/>

Please let me know if you are able to provide me with good quality light bulbs so these bulbs and their characteristics can be brought to the attention of the public.

Thanks,  
Magda

Dr. Magda Havas, BSc, PhD  
Environmental & Resource Studies/  
Trent School of the Environment  
Trent University, 1600 West Bank Drive,  
Peterborough, ON, K9L 0G2 Canada  
phone: 1-705-748-1011 ext 7882  
email: @ .ca  
website: [www.magdahavas.com](http://www.magdahavas.com)

## **Redford Residents: Smart Meters Are Making Us Ill**

<http://dtesmartmeter.blogspot.ca/2016/06/redford-residents-smart-meters-are.html>

## **Homeowners say smart meters are damaging their health, causing chronic pain, hair loss and sensitivity to light**

"Dr. Carpenter adamantly insists that there is no evidence whatsoever that smart meters are in any way safe for human beings. He goes on to say that there is, in fact, ample evidence that demonstrates 'convincingly and consistently' that exposure to radiofrequency radiation (RFR) at elevated levels for long periods of time increases the risk of cancer, damages the nervous system, and adversely affects the reproductive organs."

[http://www.naturalnews.com/054361\\_smart\\_meters\\_health\\_effects\\_electropollution.html](http://www.naturalnews.com/054361_smart_meters_health_effects_electropollution.html)

Robert

## **How to opt out from 'smart' meters (before & after measurements)**

A new must-see short film loaded with truth and solutions for 'smart' meters and other wireless radiation.

What I like most are the clear measurements of dirty electricity *and* wireless radiation. Dr. Laura Pressley and Andrew Lankes take measurements of a 'smart' meter, then (after it was replaced) of a safe analog. The effect is paradigm-shifting.

<https://takebackyourpower.net/how-to-opt-out-from-smart-meters-before-after-measurements-video/>

Josh

## **California - Wonderful News!**

We just confirmed through 3 California Assembly sources (including one in Mr. Gatto's office) that this afternoon Mr. Gatto killed Assembly Bill 2788. AB2788 would have deregulated wireless siting for most of California, forced local governments to lease property to wireless carriers, and other really bad stuff.

This is a major victory for local governments in this state, and all of us and the citizens that rallied to the side of local governments can feel proud that we have, for now, retained control over rights-of-way and public property.

Angela / Jonathan

## **FCC to Vote on Rules for 5G Network in July**

<http://www.wsj.com/articles/fcc-to-vote-on-rules-for-5g-network-in-july-1466442101>

<http://www.reuters.com/article/us-usa-telecoms-spectrum-idUSKCN0Z620H>

Barb

## **Horny homeless men use Times Square Wi-Fi to watch porn**

The city spent years sweeping porn and peep shows from Times Square – and in just a matter of months, the de Blasio administration brought back the sleaze, The Post has learned. The XXX-rated action returned to the Crossroads of the World via tablet-equipped street kiosks that horny hobos and even some curious school kids have used to get their kicks.

<http://nypost.com/2016/06/19/horny-homeless-men-use-times-square-wi-fi-to-watch-porn/>

## **Professor Olle Johansson's forced retirement**

To:

Subject: FW: Objection to the Forced Retirement of Prof. Olle Johansson from the Karolinska Institutet in Sweden

Dear Officers of the Karolinska Institutet,

Canadian long-time activists like myself were equally stunned – into disbelief – to hear of Professor Olle Johansson's forced retirement! Increasingly today, evidence of what Professor Johansson has been warning the world about for decades is percolating to the surface from what is now a large number of reputable scientists around the world! This is happening in spite of the enormously powerful and influential wireless and telecom industry's best efforts to co-opt all governments and conceal the truth! Tragically for all mankind, Industry's efforts are being assisted enormously by mainstream news media's indefensible silence on this, what truly amounts to, pandemic corruption, which is happening on a scale never before witnessed on earth!!

Given the above, how on earth can such a world-class medical research university, at this particular moment in history, justify the forced retirement of such a distinguished scientist who has been leading the battle for the truth about EMF for decades? Have you forgotten that since May of 2015, at least 220 of the world's top EMF scientists from 41 countries have signed the "International EMF Scientists Appeal"! Addressed to the Secretary General of the U.N., to all U.N.-member nations, and to the Director General of the WHO, the appeal urged them all to: "Protect Mankind and Wildlife from electromagnetic radiation and wireless technology," Let me repeat that: "Protect Mankind and Wildlife from EMF and wireless technology"! And you now decide to force one of the world's most knowledgeable and courageous scientists into retirement? If that is not odious, I don't know what is! Unless your esteemed university sees fit to reverse its decision, Karolinska's reputation will be tarnished forever! Scientists, medical researchers and activists around the world will always believe that industry has managed to corrupt you as well!

Sincerely,

Jerry Flynn

Bowser, B.C.,

Canada, V0R 1G0

(I am a retired Canadian Electronic Warfare and Signals Intelligence officer with more than 22 years' EW and SIGINT experience with NATO / national and North American militaries)

## **Shame of the Karolinska Institute**

**International call to support Prof. Johansson against forced 'early retirement'**

Just at a time when the need for further investigation into EMR health effects is becoming more widely acknowledged, we hear that Prof. Olle Johansson is being "forced" into early retirement.

Unable to counter his expert findings, it appears promoters of wireless technology have adopted the strategy of applying pressure to the Karolinska Institute of Sweden at which Prof. Johansson resides. This previously resulted in a downsizing of his funding and research facilities. Nonetheless, this selfless and dedicated scientist has continued to publish ground-breaking studies such as the many linked in his biography below.

<http://vetapedia.se/olle-johansson-associate-professor-ki/>

Now it seems, by attempting to have him dismissed from his post entirely, they hope to prevent further release of truthful and unbiased information to the public.

Apart from our free bimonthly newsletter, EMR Aware does not normally email our subscribers. However, this is a special case. The ongoing contribution of independent researchers such as Prof. Johansson is vital to a fair and balanced outcome for those affected by EMR, now and into the future.

If you are as concerned as we are, please take a moment now to email the Officers of the Institute listed below. Politely request that Prof. Johansson be allowed to continue his essential work for the benefit of all humanity.

Sincerely yours,

Peter Nielsen

[www.emraware.com](http://www.emraware.com)

## **In defense of Prof. Johansson**

And Karolinska Institute, I am writing to express alarm and dismay that you are contemplating removing Dr. Olle Johansson from his post. I have been corresponding with the doctor for several years after I discovered my son was suffering from derangement brought on by microwave penetration. Many scientists, I am sure you are aware, are inferior people with narrow interests who have sold out for money or are lacking in humane values and suffer from moral detachment. You should be proud to have a real scientist in your Institute who always displays courtesy, sobriety and diligence – and who has steadfastly maintained respect for facts in the teeth of abuse and misrepresentation over many years. Would to God there were more proper scientists like Dr. Johansson in England!

If you surrender to corporate pressure and sacrifice Dr. Johansson, I believe you will be degrading your pursuits, forfeiting your good reputation and betraying the children and sensitive people of Europe and the world.

Sincerely

Paul Ursell - Poet

## **Trials and trends in caring for patients with electromagnetic hypersensitivities at Ontario's Environmental Health Clinic (EHC)**

A talk by Dr. Riina Bray BAsC, MSc, MD, FCFP, MHSc, Medical Director of Women's College Hospital's EHC. Ecosphere Fair, Saturday, August 13 from 12:30 to 2 pm, at Jarry Park in Montreal.

Over the past 15 years the number of patients seen at the EHC has risen dramatically. It has been noted that these patients have health vulnerabilities and intrinsic and extrinsic predisposing factors that leave them at risk to the effects of radio/microwave exposures. Common symptoms, diagnostic testing challenges and mitigating measures will be reviewed in this talk. Biomarkers of exposure and limitations in this field will also be reviewed. There are gaps in knowledge in the medical community and general public, as well as large gaps in research regarding this medical phenomenon. Environmental assessments both at home and at work need to be interpreted and acted upon appropriately, so guidance from experts and support groups is essential. Cost of mitigation can also be a large hurdle and therefore pearls to reduce exposures are discussed. Finally, future research, public health initiatives and what health care providers can do, will be addressed

Dr. Riina Bray achieved first-class honors in chemical engineering, then earned her Masters of Science degree in pharmacology in the area of addictions and toxicology. She then studied medicine at the University of Toronto and did her specialty in Family Practice at UBC. She then completed a fellowship in Environmental Health at the University of Toronto. She has been Medical Director of the Environmental Health Clinic at Women's College Hospital and Associate Professor in the Department of Family and Community Medicine for over ten years. She was Chair of the Environmental Health Committee of the Ontario College of Family Physicians for ten years and holds a Master's of Health Sciences (Public Health) in Family and Community Medicine. She has taught University-level courses, mentored and taught hundreds of medical students, residents and peers in the area of environmental health.

Organizer : André Fauteux, Editor/Publisher, La Maison du 21e siècle magazine (maisonsaine.ca).

## **Selfies can damage your health**

Dermatologists now believe that regularly exposing the face to the light and electromagnetic radiation from smartphones can speed up ageing and wrinkles.

Doctors even claim they can tell which hand a person holds their phone in just by looking at which side of the face is most damaged.

[http://www.nzherald.co.nz/lifestyle/news/article.cfm?c\\_id=6&objectid=11659146](http://www.nzherald.co.nz/lifestyle/news/article.cfm?c_id=6&objectid=11659146)

## **“Drunk on Wireless: Public Health Consequences of Cell Phone and Wireless Technologies are Begging for Society's Attention”**

Video - "Drunk on Wireless: Public Health Consequences of Cell Phone and Wireless Technologies are Begging for Society's Attention" at the Left Forum 2016 in New York City featured Camilla Rees, MBA of Electromagnetic Health.org, public health physician Dr. David Carpenter, Director of the Institute for Health and the Environment at University at Albany, Dr. Martin Blank, retired Associate Professor in the Department of Physiology and Cellular Biophysics at Columbia University, and Dr. Martin Pall, Professor Emeritus of Biochemistry and Basic Medical Sciences at Washington State University.

<https://buildingbiologyblog.com/2016/06/13/drunken-on-wireless-public-health-consequences-of-cell-phone-and-wireless-technologies-are-begging-for-societys-attention/>

## **I make a point of using Jerry Phillips' quote from Scientific American: re NTP Study**

*"But you have to realize that this issue opens up a much bigger can of worms than cell phones. If this radiation, this form of energy can interact with biological tissue then it's going to reopen a lot of what were supposedly settled issues regarding the safety of wireless communications. If we're going to be bathed in a whole new electromagnetic environment, how safe is it?"*

Ed

[Web site www.weepinitiative.org](http://www.weepinitiative.org) [e-mail contactweep@weepinitiative.org](mailto:contactweep@weepinitiative.org) [blog http://www.weepnews.blogspot.ca/](http://www.weepnews.blogspot.ca/)

[To sign up or unsubscribe from WEEP News: newssignup@weepinitiative.org \(provide name and e-mail address\)](http://www.weepnews.blogspot.ca/)

[W.E.E.P. – The Canadian initiative to stop: Wireless Electrical and Electromagnetic Pollution](#)

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**From:** Gary Vesperman <[garyvesperman@yahoo.com](mailto:garyvesperman@yahoo.com)>

**To:** Hali Saylor <[hsaylor@bouldercityreview.com](mailto:hsaylor@bouldercityreview.com)>

**Sent:** Tuesday, June 28, 2016 10:19 AM

**Subject:** Letter re hazards of cell phones, Wi-Fi, Smart meters, and other wireless devices

### **Letter re hazards of cell phones, Wi-Fi, Smart meters, and other wireless devices**

Hi Hali,

For your consideration as a "Letter to the Editor" for the Boulder City Review:

#### **Cell phones and towers, Wi-Fi, smart meters and wireless computers may be hazardous**

My new 200-page compilation titled "Possible Hazards of Cell Phones and Towers, Wi-Fi, Smart Meters, and Wireless Computers, Printers, Laptops, Mice, Keyboards, and Routers" is now online at [commutefaster.com/vesperman.html](http://commutefaster.com/vesperman.html). Sample findings: Pregnant women and children should not be exposed to wireless radiation. Cell phone use is much more dangerous for children because their skulls are a lot thinner. Brain cancer associated with cell phone use has replaced leukemia as the number one child-killer.

California Medical Association, a group of 40,000 physicians in California and a member of the American Medical Association, issued a resolution (Dec 2014) stating that FCC standards are "inadequate to protect human health" and "peer reviewed research has demonstrated adverse biological effects of wireless EMF including single and double stranded DNA breaks, creation of reactive oxygen species, immune dysfunction, cognitive processing effects, stress protein synthesis in the brain, altered brain development, sleep and memory disturbances, ADHD, abnormal behavior, sperm dysfunction, and brain tumors". At least a dozen studies confirm that 4 hours on a laptop can damage men's sperm as well as DNA. Dermatologists now believe that regularly exposing the face to the light and electromagnetic radiation from smart phones can speed up ageing and wrinkles.

The Wi-Fi systems in schools are typically hundreds of times more powerful than home computers. No telecommunication corporations or representatives have ever made the claim that Wi-Fi and other wireless devices used in schools are safe. Insurance companies refuse to insure cell phone companies for health claims. Insurance companies are even modeling what a brain cancer epidemic between 2020 and 2030 will cost!

One smart meter (a city could have tens of thousands) can cover up to 125 square miles in radius. The California Public Utilities Commission has received over 2000 complaints of smart meter health impacts. .

My book's "Recommendations for Action" are pertinent to Boulder City: Cell towers should be at least 1500 feet from schools and residences. Sales of cell phones and smart phones to children under 18 should be banned as in the United Kingdom. Wi-Fi networks should be banned from schools as in Haifa, Israel.

Gary Vesperman  
588 Lake Huron Lane  
Boulder City, NV 89005-1018  
padrak.com/vesperman  
702-435-7947

From: Paul <emfrefugee@gmail.com>  
Date: Fri, Jul 1, 2016 at 6:33 PM  
Subject: "5G" Rollout Worries Wi-Fi Health Advocates  
To: Angela < @gmail.com>

### **"5G" Rollout Worries Wi-Fi Health Advocates**

Thu., Jun. 30, 2016 "5G" Rollout Worries Wi-Fi Health Advocates  
By Jack O'Dwyer

FCC chair Tom Wheeler is pushing for adoption of 5G Wi-Fi router technology July 14 which need millions of mini-cell towers potentially in every home and every room.

Alarmed health advocates say Wheeler has provided no time for public comments or hearings. He described 5G at the National Press Club June 20, saying it is "a national priority." It was not mentioned on the FCC main page.

Smartgridawareness.org says high-frequency 5G signals travel much faster but over shorter distances and cannot easily penetrate walls.

"That means thousands—perhaps millions—of mini cell towers, or 'small cells' would be needed on top of every lamp post, every building, inside every home and potentially every room," it said.

June 20 was celebrated as the inaugural "World Wi-Fi Day."

### **5G Is New 'Global Platform'**

It will be "a global platform to recognize and celebrate the significant role Wi-Fi is playing in getting cities and communities around the world connected," said Wheeler. "It will champion exciting and innovative solutions to help bridge the digital divide, with Connected City initiatives and new service launches at its core."

Smartgridawareness says “The drive towards 5G could make smart meter emissions look like almost nothing in comparison. We have no idea what the health consequences of 5G might be like, but yet no one in industry or government seems concerned about that, not even a little bit.”

The site said Wheeler’s proposal, called “Spectrum Frontier,” is being enacted without “regulation, thoughtful process, etc. This is about turning developers loose, completely, to create what they want. Absolute insanity.”

Wheeler was president and CEO of the Cellular Telecommunications & Internet Assn. from 1992-2004 and is the only person ever named to both the Cable TV Hall of Fame and the Wireless Hall of Fame.

### **Westhampton Blocks Access to Routers**

The Westhampton, New York, library, citing the FCC’s view that radiation is permissible as long as it does not raise the temperature of bodily tissues or fluids, has rejected demands of local residents for the removal of its Wi-Fi system pending further investigation.

The library will not let this reporter examine or take photos of the Wi-Fi routers which are in the ceilings throughout the building. Highest levels of radiation, as measured by an Acoustimeter, were found in the room where 64 seniors play bridge for four hours each Tuesday. The library board meets in the same room once a month.

Board president Tom Moore and other board members were shown the high ratings but ridiculed them and said “Why don’t you worry about the sun also since that is radiation?”

High radiation levels were also shown to Mayor Maria Moore, wife of Tom Moore, during a meeting of the Village board June 2. Both Moores dismissed the readings as inconsequential as did the other four board members.

When Mayor Moore refused to let us examine the routers in village offices we filed a Freedom of Information request. That was turned down on the ground that the routers are “within the ceiling.”

We have asked Moore and Village Clerk Elizabeth Lindtvit if we can have all the specifications of the routers and take a photo of one.

### **Biochemist Makes Recommendations**

Martin Pall, Ph.D., biochemist at Washington State University, argues that because EMF heating is produced mainly by forces on singly charged groups in the aqueous phases of the cell, the safety guidelines/standards that allow people to be exposed to EMFs are 7.2 million times too high because they are using the wrong target.

Recipients get a big increase in nitrite oxide with calcium in the cell, leading to free radical generation and oxidative stress. They also get an increase in super oxide. These two react with each other, allowing disease causing changes to occur. Calcium signaling is very important in the cell and problems result when there is too much of it.

Microwave frequency EMFs attack four things that people value most, says Pall – our health, brain function, integrity of our genomes and our ability to produce healthy offspring.

Health advocates believe an “autism epidemic” is probably largely caused by EMF exposures although chemicals also have a role.

At the AutismOne meeting in Chicago last year, Pall discussed 32 different types of evidence that support a pathway of action from microwave EMF exposure through disruption of synapse development in the developing brain of autism patients.

### **EMFs Have Role in Increased Alzheimer's**

Doctors are also seeing neuropsychiatric effects of EMF exposures and an unexplained increase in premature Alzheimer's disease. Higher VGCC activity, produced by genetic polymorphism, is associated with Alzheimer's.

Researchers showed that young rats exposed to multiple short-pulsed microwave EMFs, developed oxidative stress, high amyloid beta (Abprotein) levels as well as cognitive and memory impairment in middle age – Alzheimer's-like changes. Alzheimer's typically has very long latency periods – 20, 25 or 30 years from the time the process starts until symptoms become apparent.

### **Suggestions by Healthcare Advocates**

Repeal the 1996 telecommunications act.

Stop these ever increasing levels of exposures. There are many ways to make these devices much safer, but we are running as fast as we can in exactly the wrong direction.

We need biologically relevant safety standards, not the nonsense safety standards that we have now. The best way to develop such standards is to study the effects of EMFs on cells in culture, cells that have high levels of various types of VGCCs. Such cell culture work is not difficult to do, nor is it very expensive to do. It needs to be started right now!!

<http://www.odwyerpr.com/story/public/7175/2016-06-30/5g-rollout-worries-wi-fi-health-advocates.html>

P.O. Box 1847  
Middletown, CA 95461  
USA

From: Angela < @gmail.com>  
To:  
Sent: Friday, July 1, 2016 11:40 PM  
Subject: Fwd: Urgent: Stop 5G wireless, Act before July 14

### **Urgent: Stop 5G wireless, Act before July 14**

Hi everyone – This is extremely important.

I believe 5G will have a bigger impact than 4G, because it will mean more complex signals (more data transmission), higher speeds.

I am still in transit – can't do much more than forward emails like the one below that has very specific action items to take.

From: Webmaster <webmaster@electricalpollution.com>  
Date: Fri, Jul 1, 2016 at 8:03 PM  
Subject: Urgent: Stop 5G wireless, Act before July 14  
To: Webmaster <webmaster@electricalpollution.com>

## **Help Stop 5G Wireless – a dangerous radiation intensive technology!**

We defeated the proposal to further erode local zoning in California. The stakes are even higher now! Spread the word!

The FCC is voting on whether to move forward with 5G – an extremely dangerous technology. Read Chairman Wheelers comments about the Spectrum Frontiers Proceeding (<https://www.fcc.gov/document/remarks-chairman-wheeler-future-wireless>). This would put 5G transmitters on power and light poles throughout communities across the United States with the aim of creating enough saturation of very high frequency microwave radiation that fiber optic level connectivity is available wirelessly everywhere.

We will need as many people as possible from the U.S. and around the world, including experts, to contact the FCC by July 13, 2016. They vote on the proposal on July 14, 2016.

Please take a moment to contact the FCC Commissioners BEFORE their vote on July 14 in opposition to the rollout of 5G. A template letter is below, please take a moment personalize it briefly with your experience to give it greater impact.

Tom Wheeler, Chairman [Tom.Wheeler@fcc.gov](mailto:Tom.Wheeler@fcc.gov)  
Mignon Clyburn, Commissioner [Mignon.Clyburn@fcc.gov](mailto:Mignon.Clyburn@fcc.gov)  
Jessica Rosenworcel, Commissioner [Jessica.Rosenworcel@fcc.gov](mailto:Jessica.Rosenworcel@fcc.gov)  
Ajit Pai, Commissioner [Ajit.Pai@fcc.gov](mailto:Ajit.Pai@fcc.gov)  
Michael O'Rielly, Commissioner [Mike.O'Rielly@fcc.gov](mailto:Mike.O'Rielly@fcc.gov)

Please send a copy of your letter to your U.S. Representative and Senators and the relevant committees (listed below).

Ultimately, it is Congress that decided to give sole responsibility for wireless promotion and safety to an industry dominated agency. It is essential that they hear from you. Only they can give authority for health back to the EPA, which has tried in the past to protect the public. Congress defunded EPA and removed its authority to protect the public from wireless radiation to stop it (<http://www.stopglobalwifi.org/documents/PressReleaseDec2015.pdf>).

Contact your Congressional Delegation (2 Senators and 1 Representative). Look them up and find their phone and FAX numbers at: [http://www.senate.gov/general/contact\\_information/senators\\_cfm.cfm](http://www.senate.gov/general/contact_information/senators_cfm.cfm) and <http://www.house.gov/representatives/>

Call the White House – 202-456-1111. Ask President Obama to halt the rollout of 5G in light of the safety hazards.

President Obama can also be emailed using the form at <http://www.whitehouse.gov/contact/submit-questions-and-comments>

Congressional Committees – ask for oversight hearings on dangers of societal saturation with radiation from wireless technology:

U.S. Senate Committee on Health, Education, Labor and Pensions – (202)-224-5375  
<http://www.help.senate.gov/> links to contact the two ranking members on webpage

U.S. Senate Committee on Commerce, Science, & Transportation – Majority: 202-224-1251, Minority: 202-224-0411

U.S. Senate Committee on Energy and Natural Resources – (202) 224-4971

House Energy and Commerce Committee – (202) 225-2927

House Committee on Oversight and Government Reform Phone: (202) 225-5074

Dear FCC Commissioners,

Spectrum Frontiers Proceeding is being represented as an unqualified good, but it is not. It will do great harm to human health and the environment.

**Please vote "no" to the Spectrum Frontiers Proceeding.** There has been no NEPA review of the environmental and human health impacts of moving forward with 5G. The FCC has put the cart before the horse in promulgating rules for 5G without first studying the safety of 5G for humans and the environment. There is consensus within the scientific community that the existing FCC limits for wireless radiation do not protect the population from biological effects ([www.EMFscientist.org](http://www.EMFscientist.org))

The National Toxicology Program recently release results showing that Radio Frequency Radiation (RFR) can indeed both break DNA and cause cancer (<http://www.saferemr.com/2016/05/national-toxicology-progam-finds-cell.html> and <http://microwavenews.com/news-center/ntp-nyt>). Furthermore, the literature on RFR in the very high frequency bands required for 5G document DNA breakages, serious cellular resonance effects, and other detrimental metabolic effects ([http://www.bioinitiative.org/report/wp-content/uploads/pdfs/sec15\\_2012\\_Evidence\\_Disruption\\_Modulation.pdf](http://www.bioinitiative.org/report/wp-content/uploads/pdfs/sec15_2012_Evidence_Disruption_Modulation.pdf) and [http://www.stopglobalwifi/documents/2001\\_kositsky\\_et\\_al.\\_-\\_ussr\\_review.pdf](http://www.stopglobalwifi/documents/2001_kositsky_et_al._-_ussr_review.pdf)). Non-industry funded studies have consistently found links between RFR and various negative biological effects ([www.bioinitiative.org](http://www.bioinitiative.org)). They include serious neurological, cardiac, and metabolic effects, as well as DNA breakage which can lead to cancer and genetic defects (<http://www.mainecoalitiontostopsmartmeters.org/?p=1469>).

Studies, including the National Toxicology Program studies, have shown wireless to be a dangerous technology and 5G, according to Chairman Wheeler's own comments, is an infrastructure intensive technology. So, invest in safe, wired infrastructure instead of spending a lot of money to saturate entire communities with hazardous radiation. The 'cool' factor is not worth the peril.

Please see "Wireless Technology Violates Human Rights" (<http://www.electricalpollution.com/documents/WirelessViolatesHumanRights2016.pdf>) for more information about the very serious ways in which wireless technology violates human rights.

Don't vote to unleash a dangerous environmental pollutant on your friends, family, and, indeed, the whole country. Vote to protect your family, friends, and the country; **vote "no" on Spectrum Frontiers**. Be on the right side of history.

Sincerely,

### **Wireless Technology Violates Human Rights**

How universal exposure to radiation from wireless devices complying with existing inadequate safety limits violates the Nuremberg Code of Ethics

The report “Wi-Fi – A Thalidomide in the Making. Who Cares?” by Barrie Trower makes it clear that exposure to radiation from wireless technology will cause DNA damage, including damage to the mitochondrial DNA that is irreparable and will transmit to all future progeny of affected females. In a mouse study, “RF Radiation–Induced Changes in the Prenatal Development of Mice” ([http://avaate.org/IMG/pdf/magras\\_mice\\_study.pdf](http://avaate.org/IMG/pdf/magras_mice_study.pdf)), six months of real-life ambient exposure to a medley of radiation sources at levels well below those allowed by FCC RF limits resulted in total sterility, which did not reverse. It would be expected to take longer in humans; however this finding supports the urgency of the points Mr. Trower makes in his report which can be found at <http://www.electricalpollution.com/documents/WiFiAThalidomideInTheMakingWhoCares.pdf>.

Thus, there is NO possible way that the FCC can both promote wireless technology and protect the public health and safety, as directed by the House Committee on Commerce in H.R. Report No. 104-204, p. 94.

Obviously, Congress made clear with the stipulation that it was the FCC's responsibility to adopt uniform RF regulations "with adequate safeguards of the public health and safety" (H.R. Report No. 104-204, p. 94) that they were not interested in promoting wireless technology at the expense of the public health and safety.

The FCC is obligated by the directive in H.R. Report No. 104-204, p. 94 to inform Congress it is impossible to both promote wireless and protect the public health and safety since it is now clear that wireless technology has the potential to compromise the genetic integrity of individuals for all future generations. Continued promotion of wireless technology in spite of that and the following evidence:

- Report of Partial Findings from the National Toxicology Program Carcinogenesis Studies of Cell Phone Radiofrequency Radiation in Hsd: Sprague Dawley® SD rats (Whole Body Exposures) bioRxiv preprint first posted online May. 26, 2016 (<http://dx.doi.org/10.1101/055699>)
- Tumor Promotion by Exposure to Radiofrequency Electromagnetic Fields Below Exposure Limits for Humans (<http://www.ncbi.nlm.nih.gov/pubmed/25749340>)
- The BioInitiative Reports ([www.bioinitiative.org](http://www.bioinitiative.org))
- Biological Effects from RF Radiation at Low-Intensity Exposure, based on the BioInitiative 2012 Report, and the Implications for Smart Meters and Smart Appliances (<http://emfsafetynetwork.org/wp-content/uploads/2013/08/Biological-Effects-From-RF-Radiation-and-Implications-for-Smart-Meters-June-5-2013-2.pdf>)
- “Provocation study using heart rate variability shows microwave radiation from 2.4 GHz cordless phone affects autonomic nervous system” (<http://www.magdahavas.com/wordpress/wp-content/uploads/2010/10/Havas-HRV-Ramazzini1.pdf>) and replicated (<http://www.ncbi.nlm.nih.gov/pubmed/23675629#>)
- “Oxidative mechanisms of biological activity of low-intensity radiofrequency radiation” (<http://www.ncbi.nlm.nih.gov/pubmed/26151230>)
- "Impacts of radio-frequency electromagnetic field (RF-EMF) from cell phone towers and wireless devices on biosystem and ecosystem – a review" ([http://www.biomedonline.com/Articles/Vol4\\_4\\_2012/Vol4\\_4\\_202-216\\_BM-8.pdf](http://www.biomedonline.com/Articles/Vol4_4_2012/Vol4_4_202-216_BM-8.pdf))
- “Report on Possible Impacts of Communication Towers on Wildlife Including Birds and Bees” ([http://www.moef.nic.in/downloads/public-information/final\\_mobile\\_towers\\_report.pdf](http://www.moef.nic.in/downloads/public-information/final_mobile_towers_report.pdf))
- “CRITICISM OF THE HEALTH ASSESSMENT IN THE ICNIRP GUIDELINES FOR RADIOFREQUENCY AND MICROWAVE RADIATION (100 kHz - 300 GHz)” ([www.electricalpollution.com/documents/Cherry2000EMR\\_ICNIRP\\_critique\\_09-02.pdf](http://www.electricalpollution.com/documents/Cherry2000EMR_ICNIRP_critique_09-02.pdf))
- “Swedish review strengthens grounds for concluding that radiation from cellular and cordless phones is a probable human carcinogen” (<http://www.ncbi.nlm.nih.gov/pubmed/23664410>)

would not only violate the directive in H.R. Report No. 104-204, p. 94 which said it was the Commission's responsibility to adopt uniform RF regulations "with adequate safeguards of the public health and safety" and the principles of public health protection, but also be in direct violation of the entire Nuremberg Code of Ethics (<http://www.hhs.gov/ohrp/archive/nurcode.html>).

Prior to approval of wireless technology for civilian use, it is clear from “Wi-Fi – A Thalidomide in the Making. Who Cares?” that it was already known that there were bio-effects from exposure to pulsed microwave radiation that were separate from tissue heating, and it is clear from “Cellular Telephone Russian Roulette: A Historical and Scientific Perspective” ([http://microondes.files.wordpress.com/2010/03/robert\\_c\\_kane\\_cellular\\_telephone\\_russian\\_roulette.pdf](http://microondes.files.wordpress.com/2010/03/robert_c_kane_cellular_telephone_russian_roulette.pdf)) that extensive scientific literature existed showing that harmful tissue heating could occur extremely quickly and locally at levels well below those allowed by the ICNIRP and IEEE limits and also that ample evidence existed of disabling effects on organisms when chronically exposed to RF radiation.

Reasonable people with full access to the data could and did think a dangerous situation was being created by 1984, see “Biological Effects of Radiofrequency Radiation” (EPA 600/8-83-026F, 1984) (<http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=300065H1.txt>) and then again prior to the passage of the 1996 Telecommunications Act ([http://www.emrpolicy.org/litigation/case\\_law/docs/epa\\_to\\_fcc\\_3nov\\_93.pdf](http://www.emrpolicy.org/litigation/case_law/docs/epa_to_fcc_3nov_93.pdf)). In spite of this, no biologically protective safety limits were implemented to protect citizens during daily life.

It violates the Nuremberg Code of Ethics to experiment on non-consenting people who cannot stop the experiment, especially when harm can reasonably be expected to result. That is exactly what has happened and is happening. The fact that those reasonable expectations have been fulfilled can be seen in The BioInitiative Reports and in many of the documents submitted for consideration within these FCC dockets (ET Docket No. 13-84, and ET Docket No. 03-137).

Industry continues to generate uncertainty, in spite of the numerous well-designed studies showing harm, and continues to call for additional studies instead of action. Results of the society-wide human experiment continue to roll in which demonstrate the harmfulness of the technology. A small sample of these studies are below:

- “Prenatal and Postnatal Exposure to Cell Phone Use and Behavioral Problems in Children” (<http://www.ncbi.nlm.nih.gov/pubmed/18467962>)
- “Apparent decreases in Swedish public health indicators after 1997—Are they due to improved diagnostics or to environmental factors?,” Hallberg and Johansson ([http://www.pathophysiologyjournal.com/article/S0928-4680\(09\)00002-9/abstract](http://www.pathophysiologyjournal.com/article/S0928-4680(09)00002-9/abstract))
- “The Influence of Being Physically Near to a Cell Phone Transmission Mast on the Incidence of Cancer” ([http://emrstop.org/index.php?option=com\\_docman&task=doc\\_details&gid=4&Itemid=18](http://emrstop.org/index.php?option=com_docman&task=doc_details&gid=4&Itemid=18))
- “Changes of Clinically Important Neurotransmitters under the Influence of Modulated RF Fields- A Long-term Study under Real-life Conditions” ([http://www.radiationresearch.org/images/RRT\\_articles/Buchner%20Eger%20Rimbach%20Study%202011%20ENG%20FINAL%20Revised%2029%20July%202011.pdf](http://www.radiationresearch.org/images/RRT_articles/Buchner%20Eger%20Rimbach%20Study%202011%20ENG%20FINAL%20Revised%2029%20July%202011.pdf))
- “How does long term exposure to base stations and mobile phones affect human hormone profiles?,” Eskander et al. (<http://www.sciencedirect.com/science/article/pii/S0009912011027330>)
- “Microwave frequency electromagnetic fields (EMFs) produce widespread neuropsychiatric effects including depression.” (<http://dx.doi.org/10.1016/j.jchemneu.2015.08.001>)

Indeed, in light of evidence that harm could be expected from its use and exposure is involuntary in many cases, there has been a violation of the entire Nuremberg Code of Ethics since RF technology was approved for civilian use without biologically-meaningful RF safety limits in place, specifically “1. The voluntary consent of

the human subject is absolutely essential ...” and “9. During the course of the experiment, the human subject should be at liberty to bring the experiment to an end...”. Millions of people are being exposed to a dangerous toxin in an open-ended non-consenting experiment which they cannot bring to an end and over which they have no control.

Performing additional studies, without immediate action to put protective safety limits in place based on the array of existing studies showing harm, only continues the massive violation of human rights.

The fact that any new microwave-based technology might be safer is no excuse to contend that this open-ended non-consenting experiment should continue. Any new possibly safer technology should be studied in double-blind placebo controlled medical-style laboratory safety studies using approved protocols carefully designed to detect health effects before being allowed to undergo controlled consenting medical-style human studies. The track record of previous microwave-based (wireless) technology and the Nuremberg Code of Ethics demands it!

Therefore, the FCC is obligated by H.R. Report No. 104-204, p. 94, by the principles of public health protection, and by the Nuremberg Code of Ethics to immediately place a moratorium on additional spectrum sales, antenna installations, transmitting utility meter installations, new wireless technologies, and sales of wireless devices, while notifying Congress, The Environmental Protection Agency, The Center for Disease Control, The National Institute of Health, and The U.S. Department of Health and Human Services of the serious health hazard posed by wireless technology and seeking their professional support in developing RF safety limits that truly protect the public health from biological harm. If further experiments are needed, they should be done immediately using approved medical-style protocols, not using the entire population in an inescapable uncontrolled study done without consent.

If the FCC would like to argue that this is not an experiment because data collection is not consistent enough and negative outcomes were expected or known, then population-wide exposure to this toxin is still either “inhuman treatment” or “torture,” both of which are human rights violations. Money is not a justifiable reason to expose an entire population to a potentially lethal agent that can be reasonably expected to isolate and disable many, impairing their ability to reach their full potential and live their life fully and freely.

Protecting my health and that of others by using a hardwired computer in a low RF environment. For more information, see [www.electricalpollution.com](http://www.electricalpollution.com)

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[https://groups.google.com/d/msgid/emfcontacts/CAAC%3DT7fSzW2tJC\\_PQ808LVm8bW4h%3DqN%2BY45hYC2oAjZL26sn8Q%40mail.gmail.com](https://groups.google.com/d/msgid/emfcontacts/CAAC%3DT7fSzW2tJC_PQ808LVm8bW4h%3DqN%2BY45hYC2oAjZL26sn8Q%40mail.gmail.com).

For more options, visit <https://groups.google.com/d/optout>.

**From:** Angela < @gmail.com>

**To:**

**Sent:** Saturday, August 13, 2016 7:25 AM

**Subject:** Water in water towers covered by cell antennas

**Water in water towers covered by cell antennas**

Hi Everyone,

I arrived in my new city last week, and all the large water towers storing the city water are covered in many cell antennas. (Dr. Goldsworthy's research had shown that weak RF waves could tear cell membranes by removal of calcium ions in the way that RF waves have been used to 'condition' water by preventing calcium build-up in pipes)

I was concerned about drinking it so I asked Dr. Goldsworthy about how to make it safe, and he said boiling the water should destroy the RF conditioning effect on the water. (If the water tank was grounded then effect would not be too bad.) Please see his email below and attachment with further explanations.

For more info. about Electrosensitivity and Dr. Goldsworthy <http://www.es-uk.info/about/andrew.html>

From: **Andrew Goldsworthy**

Date: Sat, Aug 13, 2016 at 5:18 AM

Subject: Re: Water Recommendation

To: Angela <@gmail.com>

Hi Angela,

I would not be surprised if the water from the towers is conditioned by the radio waves but if the tanks were made of metal and earthed it should screen the water inside so it may not be too bad.

Having said that, if you want to be sure of having no ill effects, you could boil the water since the conditioning effect does not survive boiling. It should therefore be OK for cooking or making hot drinks.

There could be a problem if you have lead plumbing though, because conditioned water will remove the lime scale from the pipes putting the water in direct contact with with the lead. This is then free to to dissolve the lead to put anyone drinking it at risk of getting lead poisoning. I am attaching the text of a one-page leaflet to be circulated at a public protest about the installation of wireless water meters in North London, which should put you in the picture, Please feel free to pass it on as you see fit.

If the possibility of getting lead poisoning is a problem for you, you should be able to remove the lead and other toxic metals released from the pipes by using a de-ionizing resin, either connected to the kitchen faucet or in a jug filter.

I hope this helps

Best wishes

Andrew

### **Smart Water Meter Hazards**

It is well known (at least in the scientific community) that radio waves like those from Smart Meters are classified by the World Health Organization as Group 2B carcinogens (possibly carcinogenic) and, as more and more results come in, according to many scientists, they are likely to be upgraded to Group 2A (probably carcinogenic) and eventually to Group 1 (definitely carcinogenic). But this is not what I am writing about today. Today I want to tell you about the risk of becoming electromagnetically hypersensitive (EHS) and also of getting lead poisoning.

## **Electromagnetic Hypersensitivity**

This can be caused by prolonged exposure to radio waves and other electromagnetic fields. Symptoms include headaches, insomnia and a variety of false sensations; e.g. of heat, cold tingling, pain and numbness. All these are due to effects on the nervous system when our various sensory cells are driven into hyperactivity by exposure to the radio waves. Even our ears can be affected and we may get tinnitus (ringing in the ears) and/or symptoms of motion sickness (including nausea) when the part of the inner ear associated with balance and acceleration are affected. Due to natural biological variation, not everyone is affected in exactly the same way, but the condition gets worse with repeated exposure and there is no known cure other than by removing yourself from the electromagnetic fields responsible. This could be extremely difficult and/or expensive. According to my own research, these effects are due to the ability of the radio waves to remove calcium ions (electrically charged calcium atoms) from the delicate membranes that surround all of our cells, which then makes them leak. This allows many ions (including calcium) to flow in and out of the cells through the leaks, much as they normally do when a nerve impulse is generated, but when radio waves do this in an uncontrolled way it eventually makes you EHS.

## **Lead Poisoning**

Very weak radio waves from coils wound around water pipes have been used for decades to 'condition' the water flowing through them so that it becomes able to remove the calcium salts that form lime scale in plumbing. The mechanism is probably very similar to that by which it removes calcium from cell membranes, but the effects are potentially much worse. Firstly, if you have lead plumbing, the lime scale that keeps the lead out of contact with the water will gradually be removed and eventually the lead from the pipe will dissolve in the water and give anyone drinking it lead poisoning – the symptoms of which are very similar to electromagnetic hypersensitivity (EHS), but the effect may be more permanent since the lead remains in your cells for life and cannot be removed simply by switching off the smart meter.

*Andrew Goldsworthy, BSc PhD Lecturer in Biology (retired) Imperial College London*

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You received this message because you are subscribed to the Google Groups "emfcontacts" group.

**From:** "Ellie @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>

**To:** emfrefugee <emfrefugee@yahoogroups.com>

**Sent:** Thursday, August 11, 2016 5:46 PM

**Subject:** [emfrefugee] The new stuff of AT&T

## **AT&T's Powerful New Transmission Towers Aggravate EHS**

AT&T has started those powerful new towers here in Bullhead City, AZ and it is awful hard on my head. It is very bad and I doubt I get sleep. RNA pills are almost out of them.

It was in the paper here about it and bragging how good it will be for download and upload and texting. It is horrible. I live in assisted living here. Ellie

**From:** Angela < @gmail.com>

**To:**

**Sent:** Friday, August 12, 2016 9:10 AM

**Subject:** Fwd: A reminder & links to spread on social media

## **Submit Comments to FCC Noise Docket; Links to Spread on Social Media**

From: **Webmaster** <webmaster@electricalpollution.com>

Date: Thu, Aug 11, 2016 at 10:00 AM

Subject: A reminder & links to spread on social media

To: Webmaster <webmaster@electricalpollution.com>

Please remember to submit your comment on electrical pollution to the FCC Noise Docket. More information can be found on the News page at [www.electricalpollution.com](http://www.electricalpollution.com).

Remember the more popular RF and health related articles become the more of them there will be. You can make them more popular by visiting the page to read the article, posting the links on social media so others will also visit, and generally driving more web traffic to them. This achieves two things: one, more awareness and two, more coverage. News organizations cover news that generates more buzz more.

**The Environmental Health Trust has an excellent article on the findings of the National Toxicology Program RF carcinogenicity study. Please share it with friends, relatives, doctors, and public officials.**

**<http://ehtrust.org/science/facts-national-toxicology-program-cellphone-rat-cancer-study/>**

Write a Letter to the Editor for your local paper to get the word out in your community. Here is a link to one such Letter to the Editor: [http://host.madison.com/ct/news/opinion/mailbag/catherine-kleiber-change-broadband-use-policy-to-reduce-cancer-risk/article\\_55b9dcba-52b6-5dca-84af-934ecf068c37.html](http://host.madison.com/ct/news/opinion/mailbag/catherine-kleiber-change-broadband-use-policy-to-reduce-cancer-risk/article_55b9dcba-52b6-5dca-84af-934ecf068c37.html)

Finally, RF health effects are not the only reason for hospitality-related businesses to stop providing Wi-Fi and block wireless signals. The news programs covering this pub story were incredulous that anyone would go to a pub without wireless service. If you feel like letting them know why you would love to find a pub without wireless, that would be great! They really need to start covering RF health effects.

Please visit the following links to find out more:

**NPR: At This English Bar, An Old-School Solution To Rude Cellphones**

<http://www.npr.org/sections/alltechconsidered/2016/08/06/488864179/at-this-english-bar-an-old-school-solution-to-rude-cellphones>

As It Happens:

<http://www.cbc.ca/radio/asithappens/as-it-happens-tuesday-edition-1.3713471/bar-owner-blocks-cell-phone-signals-to-force-patrons-to-interact-with-each-other-1.3713473>

Covering 5G:

<http://www.latimes.com/business/la-fi-cellphone-5g-health-20160808-snap-story.html>

This story does question the safety of 5G somewhat, but...

**Gotta love the last few lines of this story:**

“Kheifets, the UCLA professor, said it’s not “realistic or warranted” to slow down or halt 5G deployment to wait for more research, as some wireless safety advocates have demanded.

But certainly, as you are deploying new stuff, one should be measuring changes in exposure and looking at human health [effects] at the least,” she said.”

## **Isn't that, by definition, experimentation without consent and strictly against the Nuremberg Code of Ethics?**

Protecting my health and that of others by using a hardwired computer in a low RF environment. For more information, see [www.electricalpollution.com](http://www.electricalpollution.com)

**From:** "BI-CI Omega star.mail@online.de [emfrefugee]" <emfrefugee@yahoogroups.com>

**To:**

**Sent:** Friday, August 12, 2016 10:30 PM

**Subject:** [emfrefugee] EMF-Omega-News EMF-Omega-News 13. August 2016

### **EMF-Omega-News 13. August 2016**

Dear Sir, Madam, Ladies and gentlemen, dear friends,

For your information.

Best regards,  
Klaus Rudolph  
Citizens' Initiative Omega

Sometimes the links are missing. You can always find them here: <http://www.buergerwelle.de/en/>  
<http://www.buergerwelle.de/en/news/newsletter/>  
<http://www.mastsanity.org/health-52.html>  
<http://electromagnetichealth.org/category/electromagnetic-health-blog/>

The Health Crisis Of Our Time  
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7541/>

5G cellphone technology will employ much higher frequency microwaves than current cellphone technology  
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7534/>

Cell Towers and Cellphones: Microwave Radiation, Electromagnetic Pollution, Impacts on Human Health  
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7538/>

'Hearing, eyesight, body functions, memory, all fading: Am I disappearing?'  
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7533/>

US presidential candidate Jill Stein thinks Wi-Fi is a threat to children's health  
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7536/>

Campaigner wants Wi-Fi in schools banned due to health concerns  
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7540/>

News from Mast Sanity  
<http://tinyurl.com/2vhcbl6>  
<http://tinyurl.com/aotw3>

Our links:

<http://tinyurl.com/yjpu7wg>  
<http://tinyurl.com/93epp>

<http://tinyurl.com/9w2sx>  
<http://tinyurl.com/aotw3>  
<http://tinyurl.com/oya9t>  
<http://tinyurl.com/jyemw>  
<http://groups.yahoo.com/group/EMR-EMF/>  
<http://groups.yahoo.com/group/emf-omega-news/>

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Note: Editor and responsible for the content: Citizens' Initiative Omega. Our messages are the result of many hours of daily research, roundup and editing.

If you have information which you would like to share with your friends and colleges around the world and which are from common interest, please send us this information, we will send them out.

Disclaimer:

The information in our EMF-Omega-News are derived from sources, which we believe to be accurate but this cannot be guaranteed.

We are not responsible for any errors or omissions and disclaim any liability incurred as a consequence of any of the contents of these resources.

**From:** Gary Vesperman <garyvesperman@yahoo.com>  
**To:** Ken >; Patrick < >  
**Cc:** Arden < @yahoo.com>  
**Sent:** Wednesday, August 17, 2016 8:55 AM  
**Subject:** Fw: Dr. Hardell, Dr. Powell: Health Impact of Cell Phones/Towers, other Wireless Radiation; Are RF fields weakening LV convention halls?!

**Dr. Hardell, Dr. Powell: Health Impact of Cell Phones/Towers, other Wireless Radiation; Are RF fields weakening LV convention halls?!**

Ken and Patrick,

I may finish and send you later today the EMF hazards Book One. I have been adding a table of contents to the first draft that was posted on my websites a few weeks ago.

While editing, etc the book I came to fully realize the significance of another little problem with cell towers, Wi-Fi, smart meters, etc. To be sure to call attention, I inserted right at the beginning of the list of "Items of Outstanding Interest" this summary:

"All cement structures that have re-bar are subject to various electrical assaults from various sources such as high powered transmission lines and cell phone transmitters and consequently will suffer from accelerated corrosion. Simple theory is: Radio frequency radiation or magnetic fields will penetrate cement to some small degree and thus induce currents to flow and then the currents cause corrosion. Thus concrete structures within range of cell towers will crumble and fail much more quickly.

Canada's Hydro British Columbia power company is replacing 10,000 failing concrete poles with wooden poles. A Quebec organic pig farmer's barn structure is being adversely affected. Calgary's Bow River railroad bridge has corroded more quickly. Lille, France, has had a disastrous water tower structural failure. An overpass in Quebec has fallen down. High-frequency electromagnetic fields also affect the surfaces of Canada's Parliament."

There is a disturbing article in Book One with this title: "The Complete Annihilation of North America" that explores and explains the ramifications of complete saturation of North America with RF.

I am actively asking for the Las Vegas conventions to shut down Wi-Fi so as to protect the health of me and my Teamsters Local 631 convention co-workers. I am assuming that because the Las Vegas convention halls are uncommonly large buildings that they are using the most powerful Wi-Fi transmitters available. Does the foregoing implies that the powerful RF fields from their Wi-Fi networks are rapidly weakening the convention halls?

The two attached files should be added to the EMF hazards group in my websites.

Patrick, I had previously sent you a list of new titles and file arrangements for the EMF group in [padrak.com/vesperman](http://padrak.com/vesperman). The file with the title "Radiofrequency radiation at Stockholm Central Railway Station in Sweden and some medical aspects on public exposure to RF fields" should be placed under the title "Wireless Electromagnetic Radiation may Cause Cancer, Genetic Deformities, 80 Immune System Disorders and Kill Animals and Plants".

The other file with the title "The Health Argument against Cell Phones and Cell Towers" should also be placed under this same title.

Thanks again for your help!

Gary Vesperman

**From:** Angela <@gmail.com>

**To:**

**Sent:** Monday, August 15, 2016 9:56 AM

**Subject:** Dr. Hardell, Dr. Powell: Health Impact of Cell Phones/Towers, other Wireless Radiation

Please see attached 2 interesting papers.

1) **Measurement of wireless radiation levels from various sources in a railway station in Stockholm, Sweden** **The exposure levels were high enough to cause various health effects including neurological ones** (RF levels were high enough to open the blood brain barrier which protects the brain from toxins; this leads to neuronal death and brain damage, particularly the hippocampus which is the center for memory and learning) Areas that were particularly high were those areas near a base station (cell antenna installation)

The lead author of this paper is Dr. Lennart Hardell, Swedish oncologist and professor at Örebro University Hospital in Örebro, Sweden [https://en.wikipedia.org/wiki/Lennart\\_Hardell](https://en.wikipedia.org/wiki/Lennart_Hardell)

Dr. Hardell was a member of WHO IARC (World Health Organization Int'l Agency Research for Cancer) that classified wireless RF radiation as class 2B possible carcinogen in 2011, but now says this should be upgraded to a class 2A probable carcinogen now. <https://www.youtube.com/watch?v=w8H8Eg6FFRc&noredirect=1> In 1985, he was one of the few scientists who said that Agent Orange was carcinogenic while Monsanto denied such claims <http://www.theguardian.com/science/2006/...> (In 2013, Agent Orange (made by Monsanto) was determined to increase chance of prostate cancer by 52%. Veterans from the Vietnam War were exposed to it. Agent Orange was used to spray large areas in Laos and Vietnam to clear forests in order to build bases. One million Vietnamese suffered disabilities or health problems as well as birth defects in children. <http://www.reuters.com/article/2013/05/1...> )

2) **Summary of the health arguments concerning cell phones and cell towers, including information from the American Academy of Pediatrics (AAP, representing over 60,000 US pediatricians), FDA, National Institutes of Health (NIH), US Dept of the Interior, EPA, and hundreds of scientists from around the world** – all of whom have expressed disagreement over the FCC's exposure guidelines which are outdated and based on the assumption that microwave radiation levels are safe as long as they are below thermal limits (i.e. not enough microwaves to burn or warm our flesh).

It is written by Dr. Ron Powell, a retired U.S. Government career scientist (Ph.D., Applied Physics, Harvard University, 1975). He worked for the Executive Office of the President, the National Science Foundation and the National Institute of Standards and Technology. For those organizations, respectively, he addressed federal research and development program evaluation, energy policy research, and measurement development in support of the electronics and electrical-equipment industries and the biomedical research community. He currently interacts with other fields on human health.

You can find other documents on wireless devices written by Dr. Powell here on Scribd: <https://www.scribd.com/document/291507610/>

**From:** Ken < >

**To:** Gary Vesperman <garyvesperman@yahoo.com>

**Sent:** Wednesday, August 17, 2016 10:29 AM

**Subject:** Re: Dr. Hardell, Dr. Powell: Health Impact of Cell Phones/Towers, other Wireless Radiation; Are RF fields weakening LV convention halls?!

Gary,

Section 15 of the FCC regulations limits the power available to the WiFi band. I'm sure the Convention hall has multiple transmitters for full coverage, all within power limits at each station. FCC does regulate this rather strongly. Violators are shut down rather quickly. And all large hotels have to do the same thing.

It was back in the 60's that some hillbillies put monster amplifiers on their CB radios to talk to the other side of the state, but even they got caught and stopped.

FCC is a government agency and like all the rest loves to act like Nazi Gustapo at every opportunity. The regulation needs to change for anything to happen.

Cell towers at a slightly different frequency were allowed much higher power for some inexplicable reason. That would be the more dangerous of the 2. I suspect the Vegas convention hall is just like the Bradley International air terminal at LAX. They parked a cell tower just across the street from the building and aimed FULL legal POWER into it. Just so everyone gets a cell signal.

Ken

**From:** Pat < @hotmail.com>

**To:** "garyvesperman@yahoo.com" <garyvesperman@yahoo.com>

**Sent:** Wednesday, August 17, 2016 8:58 AM

**Subject:** Wi-Fi Dangers Exposed

### Wi-Fi Dangers Exposed



Dear NaturalHealth365 subscribers, (Important Health News - below}

I've been talking about the dangers of wireless technology for quite some time ... and, now, a pediatric conference has issued an important health warning.

These doctors see the connection between **WiFi and autism, cancer and more!**

<http://www.naturalhealth365.com/cell-phone-radiation-brain-cancer-1936.html>

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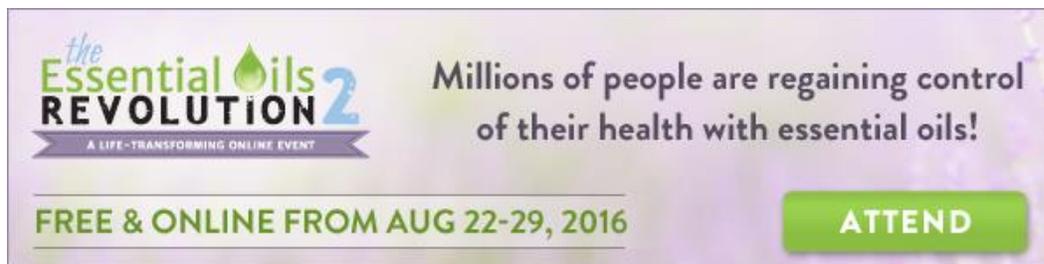
<http://www.naturalhealth365.com/cold-medicine-dementia-1934.html>

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**Mark your calendar:** Sunday - Aug. 21st - Jonathan Landsman and Dr. Eric Zielinski talk about the healing power of essential oils.

Find out how to properly use essential oils for optimal health:

<http://www.naturalhealth365.com/free-show>

## Quote of the day:

*"No medicine can compensate for un-healthy living."* - Renu Chaudhary

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Jonathan Landsman, Host  
NaturalHealth365.com

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